

APPENDIX R

Dewatering Effluent Results

ANALYTICAL REPORT

Job Number: 460-83615-1

Job Description: NY Concrete

For:

Groundwater Treatment & Technology, Inc.

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Attention: Mr. Dan Binazeski

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Approved for release.
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10/30/2014 5:38 PM

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10/30/2014
Revision: 1

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CASE NARRATIVE

Client: Groundwater Treatment & Technology, Inc.

Project: NY Concrete

Report Number: 460-83615-1

Revision 1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

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

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

REVISION

On 10/30/14 client added BTEX compounds for effluent grab sample#2.

RECEIPT

The samples were received on 9/30/2014 12:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Effluent - Grab (460-83615-2) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 10/04/2014.

No difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

IGNITABILITY

Sample Effluent - Grab (460-83615-2) was analyzed for Ignitability in accordance with EPA SW-846 Method 1020A. The samples were analyzed on 10/03/2014.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample Effluent - Composite (460-83615-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA Method 625. The samples were prepared on 10/01/2014 and analyzed on 10/08/2014.

Surrogate recoveries (2,4,6-Tribromophenol, 2-Fluorobiphenyl, 2-Fluorophenol, Nitrobenzene-d5, Phenol-d5, Terphenyl-d14) for the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with batch 252972 were outside the upper control limits.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES/PCBS

Sample Effluent - Composite (460-83615-1) was analyzed for Pesticides/PCBs in accordance with EPA Method 608. The samples were prepared on 10/02/2014 and analyzed on 10/03/2014.

No difficulties were encountered during the LL PCBs analysis.

All quality control parameters were within the acceptance limits.

TOTAL RECOVERABLE METALS

Sample Effluent - Grab (460-83615-2) was analyzed for total recoverable metals in accordance with EPA Method 200.7 (ICP). The samples were prepared and analyzed on 10/01/2014.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Sample Effluent - Grab (460-83615-2) was analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared and analyzed on 10/08/2014.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

SILICA GEL TREATED (SGT/PETROLEUM HYDROCARBON) AND N-HEXANE EXTRACTABLE MATERIAL (HEM/OIL&GREASE)

Sample Effluent - Grab (460-83615-2) was analyzed for Silica Gel Treated (SGT/Petroleum Hydrocarbon) and N-Hexane Extractable Material (HEM/Oil&Grease) in accordance with EPA SW-846 Method 1664A. The samples were analyzed on 10/10/2014.

No difficulties were encountered during the SGT-HEM/HEM analysis.

All quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS

Sample Effluent - Grab (460-83615-2) was analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 10/02/2014.

No difficulties were encountered during the TSS analysis.

All quality control parameters were within the acceptance limits.

TOTAL KJELDAHL NITROGEN

Sample Effluent - Composite (460-83615-1) was analyzed for total kjeldahl nitrogen in accordance with EPA Method 351.2. The samples were prepared and analyzed on 10/07/2014.

Total Kjeldahl Nitrogen was detected in method blank MB 480-206289/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Total Kjeldahl Nitrogen failed the recovery criteria low for the MS of sample 480-68448-1 in batch 480-206465.

Refer to the QC report for details.

No other difficulties were encountered during the TKN analysis.

All other quality control parameters were within the acceptance limits.

NITRATE-NITRITE AS NITROGEN

Sample Effluent - Composite (460-83615-1) was analyzed for nitrate-nitrite as nitrogen in accordance with EPA Method 353.2. The samples were analyzed on 10/01/2014.

Nitrite as N failed the recovery criteria high for the MS of sample 480-68310-7 in batch 480-205542.

Nitrite as N failed the recovery criteria low for the MSD of sample 480-68334-5 in batch 480-205542.

Refer to the QC report for details.

No other difficulties were encountered during the nitrate-nitrite analysis.

All other quality control parameters were within the acceptance limits.

TOTAL NITROGEN

Sample Effluent - Composite (460-83615-1) was analyzed for total nitrogen in accordance with Nitrogen (a calculated method). The samples were analyzed on 10/10/2014.

No difficulties were encountered during the Total Nitrogen analysis.

All quality control parameters were within the acceptance limits.

TOTAL SOLIDS

Sample Effluent - Grab (460-83615-2) was analyzed for total solids in accordance with SM 2540B. The samples were analyzed on 10/02/2014.

No difficulties were encountered during the total solids analysis.

All quality control parameters were within the acceptance limits.

TOTAL CHLORIDE

Sample Effluent - Grab (460-83615-2) was analyzed for total chloride in accordance with SM 4500 Cl-E. The samples were analyzed on 10/08/2014.

Sample Effluent - Grab (460-83615-2)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the chloride analysis.

All quality control parameters were within the acceptance limits.

NITROGEN-NITRATE

Sample Effluent - Composite (460-83615-1) was analyzed for Nitrogen-Nitrate in accordance with SM 4500 NO3 F. The samples were analyzed on 10/01/2014.

Nitrate Nitrite as N failed the recovery criteria high for the MS of sample 480-68306-6 in batch 480-205526.

Nitrate Nitrite as N failed the recovery criteria low for the MSD of sample 480-68334-5 in batch 480-205526.

Refer to the QC report for details.

No other difficulties were encountered during the Nitrate analysis.

All other quality control parameters were within the acceptance limits.

CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND 5 DAY

Sample Effluent - Composite (460-83615-1) was analyzed for Carbonaceous Biochemical Oxygen Demand 5 Day in accordance with SM 5210B. The samples were analyzed on 10/01/2014.

Carbonaceous Biochemical Oxygen Demand 5 was detected in method blank MB 460-254188/1 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

No other difficulties were encountered during the CBOD5 analysis.

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Sample Effluent - Grab (460-83615-2) was analyzed for hexavalent chromium in accordance with USGS Method I-1230. The samples were analyzed on 09/30/2014.

Chromium (hexavalent) exceeded the RPD limit for the duplicate of sample 460-83615-2.

Refer to the QC report for details.

No other difficulties were encountered during the hexchrome Cr6 analysis.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-83615-1	Effluent - Composite	Water	09/30/2014 0720	09/30/2014 1225
460-83615-2	Effluent - Grab	Water	09/30/2014 0745	09/30/2014 1225

EXECUTIVE SUMMARY - Detections

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Analyte						
460-83615-1	EFFLUENT - COMPOSITE					
Total Kjeldahl Nitrogen		1.0	B	0.20	mg/L	351.2_ASP
Nitrite as N		0.32		0.050	mg/L	353.2
Nitrate Nitrite as N		2.1		0.050	mg/L	SM 4500 NO3 F
Nitrogen, Total		3.1		0.20	mg/L	Total Nitrogen
460-83615-2	EFFLUENT - GRAB					
MTBE		5.3		1.0	ug/L	624
Ignitability		>160			Degrees F	1020B
SGT-HEM		2.2	J	5.2	mg/L	1664A
Chromium (hexavalent)		4.8	J	10.0	ug/L	I 1230
Total Solids		1600		10.0	mg/L	SM 2540B
Total Suspended Solids		3.5		1.0	mg/L	SM 2540D
Chloride		519		25.0	mg/L	SM 4500 Cl- E
Total Recoverable						
Nickel		14.3	J	40.0	ug/L	200.7 Rev 4.4

METHOD SUMMARY

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 624	
Semivolatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 625	
Liquid-Liquid Extraction	TAL EDI		40CFR136A 625
Polychlorinated Biphenyls (PCBs) (GC)	TAL EDI	40CFR136A 608	
Liquid-Liquid Extraction (Separtory Funnel)	TAL EDI		40CFR136A 608
Metals (ICP)	TAL EDI	EPA 200.7 Rev 4.4	
Preparation, Total Recoverable Metals	TAL EDI		EPA 200.7
Mercury (CVAA)	TAL EDI	EPA 245.1	
Preparation, Mercury	TAL EDI		EPA 245.1
Ignitability, Small Scale Closed-Cup Method	TAL EDI	SW846 1020B	
HEM and SGT-HEM	TAL EDI	1664A 1664A	
Chromium, Hexavalent	TAL EDI	USGS I 1230	
Solids, Total	TAL EDI	SM SM 2540B	
Solids, Total Suspended (TSS)	TAL EDI	SM SM 2540D	
Chloride, Total	TAL EDI	SM SM 4500 Cl- E	
BOD, 5-Day	TAL EDI	SM SM 5210B	
Total Kjeldahl Nitrogen	TAL BUF	EPA 351.2_ASP	
Nitrogen, Total Kjeldahl	TAL BUF		MCAWW 351.2
Nitrogen, Nitrite	TAL BUF	MCAWW 353.2	
Nitrogen, Nitrate	TAL BUF	SM SM 4500 NO3 F	
Nitrogen, Total	TAL BUF	EPA Total Nitrogen	

Lab References:

TAL BUF = TestAmerica Buffalo

TAL EDI = TestAmerica Edison

Method References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

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

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

METHOD / ANALYST SUMMARY

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method	Analyst	Analyst ID
40CFR136A 624	Desai, Saurab	SZD
40CFR136A 625	Crocco, Michael	MMC
40CFR136A 608	Foleyson, Temitope S	TSF
EPA 200.7 Rev 4.4	Chang, Churn Der	CDC
EPA 245.1	Sheikh, Razia B	RBS
SW846 1020B	Cabanganan, Maria	MCC
1664A 1664A	Leye, Mamadou	MAL
EPA 351.2_ASP	Thomas, Christine L	CLT
MCAWW 353.2	Schrader, Robert	RS
USGS I 1230	Pierre, Philippe X	PXP
SM SM 2540B	Staib, Patricia L	PLS
SM SM 2540D	Staib, Patricia L	PLS
SM SM 4500 Cl- E	Cabanganan, Maria	MCC
SM SM 4500 NO3 F	Schrader, Robert	RS
SM SM 5210B	Staib, Patricia L	PLS
EPA Total Nitrogen	Ferguson, Katelyn M	KMF

Analytical Data

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Client Sample ID: Effluent - Grab

Lab Sample ID: 460-83615-2

Date Sampled: 09/30/2014 0745

Client Matrix: Water

Date Received: 09/30/2014 1225

624 Volatile Organic Compounds (GC/MS)

Analysis Method:	624	Analysis Batch:	460-253449	Instrument ID:	CVOAMS3
	N/A	Prep Batch:	N/A	Lab File ID:	C0237.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	10/04/2014 0152			Final Weight/Volume:	5 mL
Prep Date:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloroform	0.080	U	0.080	1.0
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Tetrachloroethene	0.10	U	0.10	1.0
MTBE	5.3		0.14	1.0
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0
Benzene	0.080	U	0.080	1.0
Toluene	0.15	U	0.15	1.0
o-Xylene	0.13	U	0.13	1.0
Ethylbenzene	0.10	U	0.10	1.0
Xylenes, Total	0.36	U	0.36	2.0
m-Xylene & p-Xylene	0.25	U	0.25	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Bromofluorobenzene	98		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	106		79 - 140
Toluene-d8 (Surr)	98		70 - 130

Analytical Data

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Client Sample ID: Effluent - Composite

Lab Sample ID: 460-83615-1

Date Sampled: 09/30/2014 0720

Client Matrix: Water

Date Received: 09/30/2014 1225

625 Semivolatile Organic Compounds (GC/MS)

Analysis Method:	625	Analysis Batch:	460-254350	Instrument ID:	CBNAMS14
Prep Method:	625	Prep Batch:	460-252972	Lab File ID:	N1128.D
Dilution:	1.0			Initial Weight/Volume:	240 mL
Analysis Date:	10/08/2014 0850			Final Weight/Volume:	2 mL
Prep Date:	10/01/2014 1013			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	0.61	U	0.61	10
Naphthalene	1.9	U	1.9	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	80		46 - 122
2-Fluorophenol	58		10 - 65
Phenol-d5	39		10 - 48
Nitrobenzene-d5	90		56 - 112
2-Fluorobiphenyl	84		53 - 108
Terphenyl-d14	97		50 - 122

Analytical Data

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Client Sample ID: Effluent - Composite

Lab Sample ID: 460-83615-1

Date Sampled: 09/30/2014 0720

Client Matrix: Water

Date Received: 09/30/2014 1225

608 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method:	608	Analysis Batch:	460-253466	Instrument ID:	CPESTGC6
Prep Method:	608	Prep Batch:	460-253274	Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	0.5 mL
Analysis Date:	10/03/2014 0942			Injection Volume:	1 uL
Prep Date:	10/02/2014 1300			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1221	0.024	U	0.024	0.051
PCB-1232	0.028	U	0.028	0.051
PCB-1016	0.017	U	0.017	0.051
PCB-1242	0.031	U	0.031	0.051
PCB-1248	0.017	U	0.017	0.051
PCB-1254	0.017	U	0.017	0.051
PCB-1260	0.012	U	0.012	0.051
PCB-1262	0.017	U	0.017	0.051
PCB-1268	0.022	U	0.022	0.051
Polychlorinated biphenyls, Total	0.012	U	0.012	0.051

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	110		15 - 150
DCB Decachlorobiphenyl	68		17 - 143

Analytical Data

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Client Sample ID: Effluent - Composite

Lab Sample ID: 460-83615-1

Date Sampled: 09/30/2014 0720

Client Matrix: Water

Date Received: 09/30/2014 1225

608 Polychlorinated Biphenyls (PCBs) (GC)

Analysis Method: 608

Analysis Batch: 460-253466

Instrument ID: CPESTGC6

Prep Method: 608

Prep Batch: 460-253274

Initial Weight/Volume: 990 mL

Dilution: 1.0

Final Weight/Volume: 0.5 mL

Analysis Date: 10/03/2014 0942

Injection Volume: 1 uL

Prep Date: 10/02/2014 1300

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene (Surr)	110		15 - 150
DCB Decachlorobiphenyl	66		17 - 143

Analytical Data

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Client Sample ID: Effluent - Grab

Lab Sample ID: 460-83615-2

Date Sampled: 09/30/2014 0745

Client Matrix: Water

Date Received: 09/30/2014 1225

200.7 Rev 4.4 Metals (ICP)-Total Recoverable

Analysis Method:	200.7 Rev 4.4	Analysis Batch:	460-253026	Instrument ID:	ICP5
Prep Method:	200.7	Prep Batch:	460-252960	Lab File ID:	10012014A.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	10/01/2014 1458			Final Weight/Volume:	100 mL
Prep Date:	10/01/2014 0940				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Cadmium	1.7	U	1.7	5.0
Copper	7.8	U	7.8	25.0
Lead	4.8	U	4.8	5.0
Nickel	14.3	J	8.9	40.0
Zinc	8.9	U	8.9	30.0

245.1 Mercury (CVAA)

Analysis Method:	245.1	Analysis Batch:	460-254576	Instrument ID:	LEEMAN6
Prep Method:	245.1	Prep Batch:	460-254511	Lab File ID:	254511.CSV
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	10/08/2014 1407			Final Weight/Volume:	30 mL
Prep Date:	10/08/2014 1141				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.16	U	0.16	0.20

Analytical Data

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

General Chemistry**Client Sample ID: Effluent - Composite**

Lab Sample ID: 460-83615-1

Date Sampled: 09/30/2014 0720

Client Matrix: Water

Date Received: 09/30/2014 1225

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Total Kjeldahl Nitrogen	1.0	B	mg/L	0.15	0.20	1.0	351.2_ASP
	Analysis Batch: 480-206465	Analysis Date: 10/07/2014 1903					
	Prep Batch: 480-206289	Prep Date: 10/07/2014 0554					
Nitrite as N	0.32		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-205542	Analysis Date: 10/01/2014 1912					
Nitrate Nitrite as N	2.1		mg/L	0.020	0.050	1.0	SM 4500 NO3 F
	Analysis Batch: 480-205526	Analysis Date: 10/01/2014 1658					
Carbonaceous Biochemical Oxygen Demand 5	1.7	U	mg/L	1.7	6.0	1.0	SM 5210B
	Analysis Batch: 460-254188	Analysis Date: 10/01/2014 1446					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Nitrogen, Total	3.1		mg/L	0.20	0.20	1.0	Total Nitrogen
	Analysis Batch: 480-207139	Analysis Date: 10/10/2014 1253					

Analytical Data

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

General Chemistry**Client Sample ID:** Effluent - Grab

Lab Sample ID: 460-83615-2

Date Sampled: 09/30/2014 0745

Client Matrix: Water

Date Received: 09/30/2014 1225

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
SGT-HEM	2.2	J	mg/L	2.1	5.2	1.0	1664A
	Analysis Batch: 460-255075	Analysis Date: 10/10/2014 1244					
Chromium (hexavalent)	4.8	J	ug/L	3.2	10.0	1.0	I 1230
	Analysis Batch: 460-252822	Analysis Date: 09/30/2014 2147					
Chloride	519		mg/L	14.6	25.0	5.0	SM 4500 Cl- E
	Analysis Batch: 460-254589	Analysis Date: 10/08/2014 1223					
Analyte	Result	Qual	Units			Dil	Method
Ignitability	>160		Degrees F			1.0	1020B
	Analysis Batch: 460-253507	Analysis Date: 10/03/2014 1108					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Total Solids	1600		mg/L	10.0	10.0	1.0	SM 2540B
	Analysis Batch: 460-253177	Analysis Date: 10/02/2014 0833					
Total Suspended Solids	3.5		mg/L	1.0	1.0	1.0	SM 2540D
	Analysis Batch: 460-253182	Analysis Date: 10/02/2014 0849					

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Surrogate Recovery Report**624 Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
460-83615-2	Effluent - Grab	97	106	98	98
MB 460-253449/6		98	103	99	100
LCS 460-253449/3		102	103	99	99
460-83468-B-4 MS		101	104	101	98
460-83468-B-4 MSD		100	102	98	98

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	70-130
DCA = 1,2-Dichloroethane-d4 (Surr)	79-140
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Surrogate Recovery Report**625 Semivolatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-83615-1	Effluent - Composite	58	39	90	84	80	97
MB 460-252972/1-A		51	34	73	69	70	76
LCS 460-252972/2-A		95X	66X	133X	130X	126X	124X
LCSD 460-252972/3-A		96X	67X	137X	133X	131X	127X

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Surrogate Recovery Report**608 Polychlorinated Biphenyls (PCBs) (GC)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-83615-1	Effluent - Composite	110	110	66	68
MB 460-253274/1-A		53	58	44	46
LCS 460-253274/2-A		80	88	69	71
LCSD 460-253274/3-A		86	95	73	76

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene (Surr)	15-150
DCB = DCB Decachlorobiphenyl	17-143

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 460-253449

Method: 624

Preparation: N/A

Lab Sample ID: MB 460-253449/6
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/03/2014 0913
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 460-253449
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: CVOAMS3
 Lab File ID: C0196.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Chloroform	0.080	U	0.080	1.0
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Tetrachloroethene	0.10	U	0.10	1.0
MTBE	0.14	U	0.14	1.0
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0
Benzene	0.080	U	0.080	1.0
Toluene	0.15	U	0.15	1.0
o-Xylene	0.13	U	0.13	1.0
Ethylbenzene	0.10	U	0.10	1.0
Xylenes, Total	0.36	U	0.36	2.0
m-Xylene & p-Xylene	0.25	U	0.25	1.0

Surrogate	% Rec	Acceptance Limits
Bromofluorobenzene	100	70 - 130
Dibromofluoromethane (Surr)	98	70 - 130
1,2-Dichloroethane-d4 (Surr)	103	79 - 140
Toluene-d8 (Surr)	99	70 - 130

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Lab Control Sample - Batch: 460-253449

Method: 624

Preparation: N/A

Lab Sample ID:	LCS 460-253449/3	Analysis Batch:	460-253449	Instrument ID:	CVOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C0193.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/03/2014 0750	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloroform	20.0	20.5	103	51 - 138	
1,1,1-Trichloroethane	20.0	20.5	103	52 - 162	
Carbon tetrachloride	20.0	20.5	102	70 - 140	
Tetrachloroethene	20.0	20.2	101	64 - 148	
MTBE	20.0	20.7	103	84 - 124	
1,4-Dichlorobenzene	20.0	20.3	101	18 - 190	
1,2,4-Trichlorobenzene	20.0	21.1	105	67 - 150	
Benzene	20.0	20.1	100	37 - 151	
Toluene	20.0	19.5	97	47 - 150	
o-Xylene	20.0	20.2	101	76 - 124	
Ethylbenzene	20.0	20.6	103	37 - 162	
m-Xylene & p-Xylene	20.0	20.3	102	78 - 122	
Surrogate	% Rec		Acceptance Limits		
Bromofluorobenzene	99		70 - 130		
Dibromofluoromethane (Surr)	102		70 - 130		
1,2-Dichloroethane-d4 (Surr)	103		79 - 140		
Toluene-d8 (Surr)	99		70 - 130		

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-253449**

**Method: 624
Preparation: N/A**

MS Lab Sample ID:	460-83468-B-4 MS	Analysis Batch:	460-253449	Instrument ID:	CVOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C0222.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/03/2014 1951			Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-83468-B-4 MSD	Analysis Batch:	460-253449	Instrument ID:	CVOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	C0223.D
Dilution:	25	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/03/2014 2015			Final Weight/Volume:	5 mL
Prep Date:	N/A				5 mL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloroform	103	104	51 - 138	1	30		
1,1,1-Trichloroethane	106	109	52 - 162	3	30		
Carbon tetrachloride	106	113	70 - 140	5	30		
Tetrachloroethene	105	105	64 - 148	1	30		
MTBE	103	106	84 - 124	3	30		
1,4-Dichlorobenzene	103	105	18 - 190	2	30		
1,2,4-Trichlorobenzene	102	106	67 - 150	4	30		
Benzene	103	104	37 - 151	1	30		
Toluene	101	101	47 - 150	1	30		
o-Xylene	106	106	76 - 124	1	30		
Ethylbenzene	106	106	37 - 162	0	30		
m-Xylene & p-Xylene	106	108	78 - 122	2	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Bromofluorobenzene	98		98		70 - 130		
Dibromofluoromethane (Surr)	101		100		70 - 130		
1,2-Dichloroethane-d4 (Surr)	104		102		79 - 140		
Toluene-d8 (Surr)	101		98		70 - 130		

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-253449**

**Method: 624
Preparation: N/A**

MS Lab Sample ID: 460-83468-B-4 MS Units: ug/L
Client Matrix: Water
Dilution: 25
Analysis Date: 10/03/2014 1951
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 460-83468-B-4 MSD
Client Matrix: Water
Dilution: 25
Analysis Date: 10/03/2014 2015
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloroform	0.80	U	500	500	517	522
1,1,1-Trichloroethane	0.60	U	500	500	532	547
Carbon tetrachloride	0.60	U	500	500	532	563
Tetrachloroethene	1.0	U	500	500	523	526
MTBE	29		500	500	541	557
1,4-Dichlorobenzene	2.3	U	500	500	516	526
1,2,4-Trichlorobenzene	3.4	U	500	500	511	531
Benzene	0.80	U	500	500	516	520
Toluene	1.5	U	500	500	503	507
o-Xylene	1.3	U	500	500	528	531
Ethylbenzene	1.0	U	500	500	530	532
m-Xylene & p-Xylene	2.5	U	500	500	531	541

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 460-252972

Method: 625 Preparation: 625

Lab Sample ID:	MB 460-252972/1-A	Analysis Batch:	460-253756	Instrument ID:	CBNAMS13
Client Matrix:	Water	Prep Batch:	460-252972	Lab File ID:	C09682.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	10/05/2014 1231	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	10/01/2014 1013			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenol	0.59	U	0.59	10
Naphthalene	1.8	U	1.8	10

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	70	46 - 122
2-Fluorophenol	51	10 - 65
Phenol-d5	34	10 - 48
Nitrobenzene-d5	73	56 - 112
2-Fluorobiphenyl	69	53 - 108
Terphenyl-d14	76	50 - 122

Lab Control Sample/

Method: 625 Preparation: 625

Lab Control Sample Duplicate Recovery Report - Batch: 460-252972

LCS Lab Sample ID:	LCS 460-252972/2-A	Analysis Batch:	460-253756	Instrument ID:	CBNAMS13
Client Matrix:	Water	Prep Batch:	460-252972	Lab File ID:	C09670.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	10/05/2014 0734	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	10/01/2014 1013			Injection Volume:	5 uL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-252972/3-A	Analysis Batch:	460-253756	Instrument ID:	CBNAMS13
Client Matrix:	Water	Prep Batch:	460-252972	Lab File ID:	C09671.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	10/05/2014 0758	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	10/01/2014 1013			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Phenol	37	38	5 - 112	2	40		
Naphthalene	71	72	21 - 133	2	40		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
2,4,6-Tribromophenol	126	X	131	X	46 - 122		
2-Fluorophenol	95	X	96	X	10 - 65		
Phenol-d5	66	X	67	X	10 - 48		
Nitrobenzene-d5	133	X	137	X	56 - 112		
2-Fluorobiphenyl	130	X	133	X	53 - 108		
Terphenyl-d14	124	X	127	X	50 - 122		

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-252972**

**Method: 625
Preparation: 625**

LCS Lab Sample ID: LCS 460-252972/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/05/2014 0734
Prep Date: 10/01/2014 1013
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-252972/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/05/2014 0758
Prep Date: 10/01/2014 1013
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Phenol	80.0	80.0	29.9	30.6
Naphthalene	80.0	80.0	56.5	57.5

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 460-253274

Method: 608

Preparation: 608

Lab Sample ID: MB 460-253274/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 10/03/2014 0859
 Prep Date: 10/02/2014 1300
 Leach Date: N/A

Analysis Batch: 460-253466
 Prep Batch: 460-253274
 Leach Batch: N/A
 Units: ug/L

Instrument ID: CPESTGC6
 Lab File ID: NR106783.D
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 0.5 mL
 Injection Volume: 1 uL
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1221	0.024	U	0.024	0.050
PCB-1232	0.028	U	0.028	0.050
PCB-1016	0.017	U	0.017	0.050
PCB-1242	0.031	U	0.031	0.050
PCB-1248	0.017	U	0.017	0.050
PCB-1254	0.017	U	0.017	0.050
PCB-1260	0.012	U	0.012	0.050
PCB-1262	0.017	U	0.017	0.050
PCB-1268	0.022	U	0.022	0.050
Polychlorinated biphenyls, Total	0.012	U	0.012	0.050

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene (Surr)	58	15 - 150
DCB Decachlorobiphenyl	46	17 - 143

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene (Surr)	53	15 - 150
DCB Decachlorobiphenyl	44	17 - 143

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-253274**

**Method: 608
Preparation: 608**

LCS Lab Sample ID:	LCS 460-253274/2-A	Analysis Batch:	460-253466	Instrument ID:	CPESTGC6
Client Matrix:	Water	Prep Batch:	460-253274	Lab File ID:	NR106784.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/03/2014 0914	Units:	ug/L	Final Weight/Volume:	0.5 mL
Prep Date:	10/02/2014 1300			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 460-253274/3-A	Analysis Batch:	460-253466	Instrument ID:	CPESTGC6
Client Matrix:	Water	Prep Batch:	460-253274	Lab File ID:	NR106785.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/03/2014 0928	Units:	ug/L	Final Weight/Volume:	0.5 mL
Prep Date:	10/02/2014 1300			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
PCB-1016	87	92	50 - 114	6	40		
PCB-1260	81	86	8 - 127	6	40		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene (Surr)	88		95		15 - 150		
DCB Decachlorobiphenyl	71		76		17 - 143		

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-253274**

**Method: 608
Preparation: 608**

LCS Lab Sample ID:	LCS 460-253274/2-A	Analysis Batch:	460-253466	Instrument ID:	CPESTGC6
Client Matrix:	Water	Prep Batch:	460-253274	Lab File ID:	NR106784.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/03/2014 0914	Units:	ug/L	Final Weight/Volume:	0.5 mL
Prep Date:	10/02/2014 1300			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 460-253274/3-A	Analysis Batch:	460-253466	Instrument ID:	CPESTGC6
Client Matrix:	Water	Prep Batch:	460-253274	Lab File ID:	NR106785.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/03/2014 0928	Units:	ug/L	Final Weight/Volume:	0.5 mL
Prep Date:	10/02/2014 1300			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
PCB-1016	81	89	50 - 114	10	40		
PCB-1260	74	79	8 - 127	7	40		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene (Surr)	80		86		15 - 150		
DCB Decachlorobiphenyl	69		73		17 - 143		

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-253274**

**Method: 608
Preparation: 608**

LCS Lab Sample ID: LCS 460-253274/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/03/2014 0914
Prep Date: 10/02/2014 1300
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-253274/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/03/2014 0928
Prep Date: 10/02/2014 1300
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	1.00	1.00	0.870	0.920
PCB-1260	1.00	1.00	0.808	0.862

**Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-253274**

**Method: 608
Preparation: 608**

LCS Lab Sample ID: LCS 460-253274/2-A Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/03/2014 0914
Prep Date: 10/02/2014 1300
Leach Date: N/A

LCSD Lab Sample ID: LCSD 460-253274/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/03/2014 0928
Prep Date: 10/02/2014 1300
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
PCB-1016	1.00	1.00	0.809	0.891
PCB-1260	1.00	1.00	0.738	0.794

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 460-252960

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID: MB 460-252960/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/01/2014 1528
Prep Date: 10/01/2014 0940
Leach Date: N/A

Analysis Batch: 460-253026
Prep Batch: 460-252960
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 10012014A.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Cadmium	1.7	U	1.7	5.0
Copper	7.8	U	7.8	25.0
Lead	4.8	U	4.8	5.0
Nickel	8.9	U	8.9	40.0
Zinc	8.9	U	8.9	30.0

Lab Control Sample - Batch: 460-252960

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID: LCS 460-252960/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/01/2014 1517
Prep Date: 10/01/2014 0940
Leach Date: N/A

Analysis Batch: 460-253026
Prep Batch: 460-252960
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP5
Lab File ID: 10012014A.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	50.0	53.88	108	85 - 115	
Copper	250	246.7	99	85 - 115	
Lead	500	554.5	111	85 - 115	
Nickel	500	543.7	109	85 - 115	
Zinc	500	543.7	109	85 - 115	

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Matrix Spike - Batch: 460-252960

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID:	460-83615-2	Analysis Batch:	460-253026	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-252960	Lab File ID:	10012014A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	10/01/2014 1506	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	10/01/2014 0940				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	1.7	U	50.0	52.22	104	70 - 130	
Copper	7.8	U	250	253.1	101	70 - 130	
Lead	4.8	U	500	530.3	106	70 - 130	
Nickel	14.3	J	500	535.3	104	70 - 130	
Zinc	8.9	U	500	534.5	107	70 - 130	

Post Digestion Spike - Batch: 460-252960

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID:	460-83615-2	Analysis Batch:	460-253026	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-252960	Lab File ID:	10012014A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	10/01/2014 1509	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	10/01/2014 0940				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	1.7	U	50.0	50.27	101	75 - 125	
Copper	7.8	U	250	241.2	96	75 - 125	
Lead	4.8	U	500	510.5	102	75 - 125	
Nickel	14.3	J	500	511.8	100	75 - 125	
Zinc	8.9	U	500	517.0	103	75 - 125	

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Duplicate - Batch: 460-252960

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID:	460-83615-2	Analysis Batch:	460-253026	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-252960	Lab File ID:	10012014A.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	10/01/2014 1454	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	10/01/2014 0940				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cadmium	1.7	U	1.7	NC	20	U
Copper	7.8	U	7.8	NC	20	U
Lead	4.8	U	4.8	NC	20	U
Nickel	14.3	J	13.49	6	20	J
Zinc	8.9	U	8.9	NC	20	U

Serial Dilution - Batch: 460-252960

Method: 200.7 Rev 4.4

Preparation: 200.7

Total Recoverable

Lab Sample ID:	460-83615-2	Analysis Batch:	460-253026	Instrument ID:	ICP5
Client Matrix:	Water	Prep Batch:	460-252960	Lab File ID:	10012014A.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	10/01/2014 1502	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	10/01/2014 0940				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cadmium	1.7	U	8.5	NC	10	U
Copper	7.8	U	39.0	NC	10	U
Lead	4.8	U	24.0	NC	10	U
Nickel	14.3	J	44.6	NC	10	U
Zinc	8.9	U	44.3	NC	10	U

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 460-254511

Method: 245.1 Preparation: 245.1

Lab Sample ID:	MB 460-254511/1-A	Analysis Batch:	460-254576	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-254511	Lab File ID:	254511.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	10/08/2014 1341	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	10/08/2014 1141				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.16	U	0.16	0.20

Lab Control Sample - Batch: 460-254511

Method: 245.1 Preparation: 245.1

Lab Sample ID:	LCS 460-254511/2-A	Analysis Batch:	460-254576	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-254511	Lab File ID:	254511.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	10/08/2014 1342	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	10/08/2014 1141				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	1.03	103	85 - 115	

Matrix Spike - Batch: 460-254511

Method: 245.1 Preparation: 245.1

Lab Sample ID:	460-81949-G-1-C MS	Analysis Batch:	460-254576	Instrument ID:	LEEMAN6
Client Matrix:	Water	Prep Batch:	460-254511	Lab File ID:	254511.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	10/08/2014 1348	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	10/08/2014 1141				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.16 U	1.00	0.979	98	70 - 130	

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Duplicate - Batch: 460-254511

Method: 245.1

Preparation: 245.1

Lab Sample ID: 460-81949-G-1-B DU
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/08/2014 1346
Prep Date: 10/08/2014 1141
Leach Date: N/A

Analysis Batch: 460-254576
Prep Batch: 460-254511
Leach Batch: N/A
Units: ug/L

Instrument ID: LEEMAN6
Lab File ID: 254511.CSV
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.16	U	0.16	NC	20	U

Serial Dilution - Batch: 460-254511

Method: 245.1

Preparation: 245.1

Lab Sample ID: 460-81949-G-1-A SD ^5
Client Matrix: Water
Dilution: 5.0
Analysis Date: 10/08/2014 1350
Prep Date: 10/08/2014 1141
Leach Date: N/A

Analysis Batch: 460-254576
Prep Batch: 460-254511
Leach Batch: N/A
Units: ug/L

Instrument ID: LEEMAN6
Lab File ID: 254511.CSV
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.16	U	0.80	NC		U

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Duplicate - Batch: 460-253507

Method: 1020B
Preparation: N/A

Lab Sample ID:	460-83731-D-1 DU	Analysis Batch:	460-253507	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/03/2014 1100	Units:	Degrees F	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Ignitability	>160	>160	NC	10	

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 460-255075

Method: 1664A
Preparation: N/A

Lab Sample ID:	MB 460-255075/1	Analysis Batch:	460-255075	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/10/2014 1244	Units:	mg/L	Final Weight/Volume:	1000 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
SGT-HEM	2.0	U	2.0	5.0

Lab Control Sample/ Lab Control Sample Duplicate Recovery Report - Batch: 460-255075

Method: 1664A
Preparation: N/A

LCS Lab Sample ID:	LCS 460-255075/2	Analysis Batch:	460-255075	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/10/2014 1244	Units:	mg/L	Final Weight/Volume:	1000 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-255075/3	Analysis Batch:	460-255075	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/10/2014 1244	Units:	mg/L	Final Weight/Volume:	1000 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
SGT-HEM	82	80	64 - 132	3	34		

Laboratory Control/ Laboratory Duplicate Data Report - Batch: 460-255075

Method: 1664A
Preparation: N/A

LCS Lab Sample ID:	LCS 460-255075/2	Units:	mg/L	LCSD Lab Sample ID:	LCSD 460-255075/3
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/10/2014 1244			Analysis Date:	10/10/2014 1244
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
SGT-HEM	20.0	20.0	16.50	16.00

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Matrix Spike - Batch: 460-255075

Method: 1664A
Preparation: N/A

Lab Sample ID:	460-83615-2	Analysis Batch:	460-255075	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	960 mL
Analysis Date:	10/10/2014 1244	Units:	mg/L	Final Weight/Volume:	1000 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
SGT-HEM	2.2 J	20.8	18.13	76	64 - 132	

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 480-206289

Method: 351.2_ASP Preparation: 351.2

Lab Sample ID:	MB 480-206289/1-A	Analysis Batch:	480-206465	Instrument ID:	KONE1
Client Matrix:	Water	Prep Batch:	480-206289	Lab File ID:	TKN100714CT.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	10/07/2014 1736	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	10/07/2014 0554				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Kjeldahl Nitrogen	0.195	J	0.15	0.20

Lab Control Sample - Batch: 480-206289

Method: 351.2_ASP Preparation: 351.2

Lab Sample ID:	LCS 480-206289/2-A	Analysis Batch:	480-206465	Instrument ID:	KONE1
Client Matrix:	Water	Prep Batch:	480-206289	Lab File ID:	TKN100714CT.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	10/07/2014 1707	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	10/07/2014 0554				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Kjeldahl Nitrogen	2.50	2.66	107	90 - 110	

Matrix Spike - Batch: 480-206289

Method: 351.2_ASP Preparation: 351.2

Lab Sample ID:	480-68448-D-1-B MS	Analysis Batch:	480-206465	Instrument ID:	KONE1
Client Matrix:	Water	Prep Batch:	480-206289	Lab File ID:	TKN100714CT.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	10/07/2014 1903	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	10/07/2014 0554				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Total Kjeldahl Nitrogen	0.95	1.00	1.70	74	90 - 110	F1

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Duplicate - Batch: 480-206289

Method: 351.2_ASP

Preparation: 351.2

Lab Sample ID:	460-83615-1	Analysis Batch:	480-206465	Instrument ID:	KONE1
Client Matrix:	Water	Prep Batch:	480-206289	Lab File ID:	TKN100714CT.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	10/07/2014 1903	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	10/07/2014 0554				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Kjeldahl Nitrogen	1.0	1.02	1	20	

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 480-205542

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 480-205542/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/01/2014 1910
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-205542
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT3
Lab File ID: OM_10-1-2014_07-07-22P
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Nitrite as N	0.020	U	0.020	0.050

Method Blank - Batch: 480-205542

Method: 353.2
Preparation: N/A

Lab Sample ID: MB 480-205542/27
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/01/2014 1937
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-205542
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT3
Lab File ID: OM_10-1-2014_07-07-22P
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Nitrite as N	0.020	U	0.020	0.050

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Lab Control Sample - Batch: 480-205542

Method: 353.2

Preparation: N/A

Lab Sample ID:	LCS 480-205542/4	Analysis Batch:	480-205542	Instrument ID:	LACHAT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	OM_10-1-2014_07-07-22P
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2014 1911	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrite as N	1.50	1.52	101	90 - 110	

Lab Control Sample - Batch: 480-205542

Method: 353.2

Preparation: N/A

Lab Sample ID:	LCS 480-205542/28	Analysis Batch:	480-205542	Instrument ID:	LACHAT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	OM_10-1-2014_07-07-22P
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2014 1938	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrite as N	1.50	1.52	101	90 - 110	

Matrix Spike - Batch: 480-205542

Method: 353.2

Preparation: N/A

Lab Sample ID:	480-68310-C-7 MS	Analysis Batch:	480-205542	Instrument ID:	LACHAT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	OM_10-1-2014_07-07-22P
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2014 1920	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Nitrite as N	0.020 U	1.00	1.16	116	90 - 110	F1

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Duplicate - Batch: 480-205542

Method: 353.2
Preparation: N/A

Lab Sample ID:	480-68330-E-1 DU	Analysis Batch:	480-205542	Instrument ID:	LACHAT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	OM_10-1-2014_07-07-22P
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2014 1931	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrite as N	0.020	J	0.0207	5	20	J

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 460-252822

Method: I 1230
Preparation: N/A

Lab Sample ID:	MB 460-252822/9	Analysis Batch:	460-252822	Instrument ID:	WetHexSpec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/30/2014 2147	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chromium (hexavalent)	3.2	U	3.2	10.0

LCS-Certified Reference Material - Batch: 460-252822

Method: I 1230
Preparation: N/A

Lab Sample ID:	LCSSRM 460-252822/10	Analysis Batch:	460-252822	Instrument ID:	WetHexSpec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/30/2014 2147	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	72.2	74.14	102.7	87.3 - 111.9	

Matrix Spike - Batch: 460-252822

Method: I 1230
Preparation: N/A

Lab Sample ID:	460-83615-2	Analysis Batch:	460-252822	Instrument ID:	WetHexSpec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/30/2014 2147	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium (hexavalent)	4.8 J	30.0	36.44	105	85 - 115	

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Duplicate - Batch: 460-252822

Method: I 1230
Preparation: N/A

Lab Sample ID:	460-83615-2	Analysis Batch:	460-252822	Instrument ID:	WetHexSpec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/30/2014 2147	Units:	ug/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Chromium (hexavalent)	4.8	J	6.04	22	20	J

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 460-253177

Method: SM 2540B

Preparation: N/A

Lab Sample ID:	MB 460-253177/1	Analysis Batch:	460-253177	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	10/02/2014 0833	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Total Solids	10.0	U	10.0	10.0

LCS-Certified Reference Material - Batch: 460-253177

Method: SM 2540B

Preparation: N/A

Lab Sample ID:	LCSSRM 460-253177/2	Analysis Batch:	460-253177	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	10/02/2014 0833	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Solids	313	311.0	99.4	86.3 - 112.1	

Duplicate - Batch: 460-253177

Method: SM 2540B

Preparation: N/A

Lab Sample ID:	460-83615-2	Analysis Batch:	460-253177	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	10/02/2014 0833	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Solids	1600	1643	2	5	

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 460-253182

Method: SM 2540D

Preparation: N/A

Lab Sample ID:	MB 460-253182/1	Analysis Batch:	460-253182	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	10/02/2014 0849	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Total Suspended Solids	1.0	U	1.0	1.0

LCS-Certified Reference Material - Batch: 460-253182

Method: SM 2540D

Preparation: N/A

Lab Sample ID:	LCSSRM 460-253182/2	Analysis Batch:	460-253182	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	10/02/2014 0849	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	68.8	64.00	93.0	82.7 - 107.0	

Duplicate - Batch: 460-253182

Method: SM 2540D

Preparation: N/A

Lab Sample ID:	460-83673-B-1 DU	Analysis Batch:	460-253182	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	10/02/2014 0849	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Suspended Solids	380	368.0	3	5	

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 460-254589

Method: SM 4500 Cl- E
Preparation: N/A

Lab Sample ID:	MB 460-254589/5	Analysis Batch:	460-254589	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL100814A.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/08/2014 1155	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloride	2.9	U	2.9	5.0

LCS-Certified Reference Material - Batch: 460-254589

Method: SM 4500 Cl- E
Preparation: N/A

Lab Sample ID:	LCSSRM 460-254589/6	Analysis Batch:	460-254589	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL100814A.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/08/2014 1155	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	71.3	74.87	105.0	90.9 - 109.0	

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-254589

Method: SM 4500 Cl- E
Preparation: N/A

MS Lab Sample ID:	460-83700-G-4 MS	Analysis Batch:	460-254589	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL100814A.xls
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/08/2014 1212			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	460-83700-G-4 MSD	Analysis Batch:	460-254589	Instrument ID:	Konelab1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	KL100814A.xls
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	10/08/2014 1212			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloride	110	111	80 - 118	1	10		

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-254589**

**Method: SM 4500 Cl- E
Preparation: N/A**

MS Lab Sample ID: 460-83700-G-4 MS Units: mg/L
Client Matrix: Water
Dilution: 10
Analysis Date: 10/08/2014 1212
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 460-83700-G-4 MSD
Client Matrix: Water
Dilution: 10
Analysis Date: 10/08/2014 1212
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloride	171	500	500	718.4	723.6

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 480-205526

Method: SM 4500 NO3 F

Preparation: N/A

Lab Sample ID: MB 480-205526/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/01/2014 1655
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-205526
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT3
Lab File ID: OM_10-1-2014_04-51-21P
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Nitrate Nitrite as N	0.020	U	0.020	0.050

Method Blank - Batch: 480-205526

Method: SM 4500 NO3 F

Preparation: N/A

Lab Sample ID: MB 480-205526/52
Client Matrix: Water
Dilution: 1.0
Analysis Date: 10/01/2014 1750
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-205526
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT3
Lab File ID: OM_10-1-2014_04-51-21P
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Nitrate Nitrite as N	0.020	U	0.020	0.050

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Lab Control Sample - Batch: 480-205526

Method: SM 4500 NO3 F

Preparation: N/A

Lab Sample ID:	LCS 480-205526/5	Analysis Batch:	480-205526	Instrument ID:	LACHAT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	OM_10-1-2014_04-51-21P
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2014 1657	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate Nitrite as N	1.50	1.58	105	90 - 110	

Lab Control Sample - Batch: 480-205526

Method: SM 4500 NO3 F

Preparation: N/A

Lab Sample ID:	LCS 480-205526/53	Analysis Batch:	480-205526	Instrument ID:	LACHAT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	OM_10-1-2014_04-51-21P
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2014 1751	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate Nitrite as N	1.50	1.50	100	90 - 110	

Matrix Spike - Batch: 480-205526

Method: SM 4500 NO3 F

Preparation: N/A

Lab Sample ID:	480-68306-I-6 MS	Analysis Batch:	480-205526	Instrument ID:	LACHAT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	OM_10-1-2014_04-51-21P
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2014 1706	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Nitrate Nitrite as N	0.020 U	1.00	1.12	112	90 - 110	F1

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Duplicate - Batch: 480-205526

Method: SM 4500 NO3 F

Preparation: N/A

Lab Sample ID:	480-68310-C-3 DU	Analysis Batch:	480-205526	Instrument ID:	LACHAT3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	OM_10-1-2014_04-51-21P
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/01/2014 1718	Units:	mg/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Nitrate Nitrite as N	0.020	U	0.020	NC	20	U

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Method Blank - Batch: 460-254188

Method: SM 5210B

Preparation: N/A

Lab Sample ID:	MB 460-254188/1	Analysis Batch:	460-254188	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	300 mL
Analysis Date:	10/01/2014 1431	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Carbonaceous Biochemical Oxygen Demand 5	0.0200		0.0000005 8	0.0000020

Lab Control Sample - Batch: 460-254188

Method: SM 5210B

Preparation: N/A

Lab Sample ID:	LCS 460-254188/2	Analysis Batch:	460-254188	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	8 mL
Analysis Date:	10/01/2014 1440	Units:	mg/L	Final Weight/Volume:	8 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Carbonaceous Biochemical Oxygen Demand 5	109	94.90	87	84.6 - 115.4	

Duplicate - Batch: 460-254188

Method: SM 5210B

Preparation: N/A

Lab Sample ID:	460-83615-1	Analysis Batch:	460-254188	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	10/01/2014 1448	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Carbonaceous Biochemical Oxygen Demand 5	1.7 U	1.7	NC	27	U

DATA REPORTING QUALIFIERS

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.
GC/MS Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	X	Surrogate is outside control limits
GC Semi VOA	U	Indicates the analyte was analyzed for but not detected.
Metals	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-253449					
LCS 460-253449/3	Lab Control Sample	T	Water	624	
MB 460-253449/6	Method Blank	T	Water	624	
460-83468-B-4 MS	Matrix Spike	T	Water	624	
460-83468-B-4 MSD	Matrix Spike Duplicate	T	Water	624	
460-83615-2	Effluent - Grab	T	Water	624	

Report Basis

T = Total

GC/MS Semi VOA

Prep Batch: 460-252972					
LCS 460-252972/2-A	Lab Control Sample	T	Water	625	
LCSD 460-252972/3-A	Lab Control Sample Duplicate	T	Water	625	
MB 460-252972/1-A	Method Blank	T	Water	625	
460-83615-1	Effluent - Composite	T	Water	625	
Analysis Batch:460-253756					
LCS 460-252972/2-A	Lab Control Sample	T	Water	625	460-252972
LCSD 460-252972/3-A	Lab Control Sample Duplicate	T	Water	625	460-252972
MB 460-252972/1-A	Method Blank	T	Water	625	460-252972
Analysis Batch:460-254350					
460-83615-1	Effluent - Composite	T	Water	625	460-252972

Report Basis

T = Total

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-253274					
LCS 460-253274/2-A	Lab Control Sample	T	Water	608	
LCSD 460-253274/3-A	Lab Control Sample Duplicate	T	Water	608	
MB 460-253274/1-A	Method Blank	T	Water	608	
460-83615-1	Effluent - Composite	T	Water	608	
Analysis Batch:460-253466					
LCS 460-253274/2-A	Lab Control Sample	T	Water	608	460-253274
LCSD 460-253274/3-A	Lab Control Sample Duplicate	T	Water	608	460-253274
MB 460-253274/1-A	Method Blank	T	Water	608	460-253274
460-83615-1	Effluent - Composite	T	Water	608	460-253274

Report Basis

T = Total

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-252960					
LCS 460-252960/2-A	Lab Control Sample	R	Water	200.7	
MB 460-252960/1-A	Method Blank	R	Water	200.7	
460-83615-2	Effluent - Grab	R	Water	200.7	
460-83615-2DU	Duplicate	R	Water	200.7	
460-83615-2MS	Matrix Spike	R	Water	200.7	
Analysis Batch:460-253026					
LCS 460-252960/2-A	Lab Control Sample	R	Water	200.7 Rev 4.4	460-252960
MB 460-252960/1-A	Method Blank	R	Water	200.7 Rev 4.4	460-252960
460-83615-2	Effluent - Grab	R	Water	200.7 Rev 4.4	460-252960
460-83615-2DU	Duplicate	R	Water	200.7 Rev 4.4	460-252960
460-83615-2MS	Matrix Spike	R	Water	200.7 Rev 4.4	460-252960
Prep Batch: 460-254511					
LCS 460-254511/2-A	Lab Control Sample	T	Water	245.1	
MB 460-254511/1-A	Method Blank	T	Water	245.1	
460-81949-G-1-B DU	Duplicate	T	Water	245.1	
460-81949-G-1-C MS	Matrix Spike	T	Water	245.1	
460-83615-2	Effluent - Grab	T	Water	245.1	
Analysis Batch:460-254576					
LCS 460-254511/2-A	Lab Control Sample	T	Water	245.1	460-254511
MB 460-254511/1-A	Method Blank	T	Water	245.1	460-254511
460-81949-G-1-B DU	Duplicate	T	Water	245.1	460-254511
460-81949-G-1-C MS	Matrix Spike	T	Water	245.1	460-254511
460-83615-2	Effluent - Grab	T	Water	245.1	460-254511

Report Basis

R = Total Recoverable

T = Total

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-205526					
LCS 480-205526/5	Lab Control Sample	T	Water	SM 4500 NO3 F	
LCS 480-205526/53	Lab Control Sample	T	Water	SM 4500 NO3 F	
MB 480-205526/4	Method Blank	T	Water	SM 4500 NO3 F	
MB 480-205526/52	Method Blank	T	Water	SM 4500 NO3 F	
480-68306-I-6 MS	Matrix Spike	T	Water	SM 4500 NO3 F	
480-68310-C-3 DU	Duplicate	T	Water	SM 4500 NO3 F	
480-68334-E-5 MSD	Matrix Spike Duplicate	T	Water	SM 4500 NO3 F	
460-83615-1	Effluent - Composite	T	Water	SM 4500 NO3 F	
Analysis Batch:480-205542					
LCS 480-205542/28	Lab Control Sample	T	Water	353.2	
LCS 480-205542/4	Lab Control Sample	T	Water	353.2	
MB 480-205542/27	Method Blank	T	Water	353.2	
MB 480-205542/3	Method Blank	T	Water	353.2	
480-68310-C-7 MS	Matrix Spike	T	Water	353.2	
480-68330-E-1 DU	Duplicate	T	Water	353.2	
480-68334-E-5 MSD	Matrix Spike Duplicate	T	Water	353.2	
460-83615-1	Effluent - Composite	T	Water	353.2	
Prep Batch: 480-206289					
LCS 480-206289/2-A	Lab Control Sample	T	Water	351.2	
MB 480-206289/1-A	Method Blank	T	Water	351.2	
480-68448-D-1-B MS	Matrix Spike	T	Water	351.2	
460-83615-1	Effluent - Composite	T	Water	351.2	
460-83615-1DU	Duplicate	T	Water	351.2	
Analysis Batch:480-206465					
LCS 480-206289/2-A	Lab Control Sample	T	Water	351.2_ASP	480-206289
MB 480-206289/1-A	Method Blank	T	Water	351.2_ASP	480-206289
480-68448-D-1-B MS	Matrix Spike	T	Water	351.2_ASP	480-206289
460-83615-1	Effluent - Composite	T	Water	351.2_ASP	480-206289
460-83615-1DU	Duplicate	T	Water	351.2_ASP	480-206289
Analysis Batch:480-207139					
460-83615-1	Effluent - Composite	T	Water	Total Nitrogen	
Analysis Batch:460-252822					
LCSSRM 460-252822/10	LCS-Certified Reference Material	T	Water	I 1230	
MB 460-252822/9	Method Blank	T	Water	I 1230	
460-83615-2	Effluent - Grab	T	Water	I 1230	
460-83615-2DU	Duplicate	T	Water	I 1230	
460-83615-2MS	Matrix Spike	T	Water	I 1230	

TestAmerica Edison

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-253177					
LCSSRM 460-253177/2	LCS-Certified Reference Material	T	Water	SM 2540B	
MB 460-253177/1	Method Blank	T	Water	SM 2540B	
460-83615-2	Effluent - Grab	T	Water	SM 2540B	
460-83615-2DU	Duplicate	T	Water	SM 2540B	
Analysis Batch:460-253182					
LCSSRM 460-253182/2	LCS-Certified Reference Material	T	Water	SM 2540D	
MB 460-253182/1	Method Blank	T	Water	SM 2540D	
460-83615-2	Effluent - Grab	T	Water	SM 2540D	
460-83673-B-1 DU	Duplicate	T	Water	SM 2540D	
Analysis Batch:460-253507					
460-83615-2	Effluent - Grab	T	Water	1020B	
460-83731-D-1 DU	Duplicate	T	Water	1020B	
Analysis Batch:460-254188					
LCS 460-254188/2	Lab Control Sample	T	Water	SM 5210B	
MB 460-254188/1	Method Blank	T	Water	SM 5210B	
460-83615-1	Effluent - Composite	T	Water	SM 5210B	
460-83615-1DU	Duplicate	T	Water	SM 5210B	
Analysis Batch:460-254589					
LCSSRM 460-254589/6	LCS-Certified Reference Material	T	Water	SM 4500 Cl- E	
MB 460-254589/5	Method Blank	T	Water	SM 4500 Cl- E	
460-83615-2	Effluent - Grab	T	Water	SM 4500 Cl- E	
460-83700-G-4 MS	Matrix Spike	T	Water	SM 4500 Cl- E	
460-83700-G-4 MSD	Matrix Spike Duplicate	T	Water	SM 4500 Cl- E	
Analysis Batch:460-255075					
LCS 460-255075/2	Lab Control Sample	T	Water	1664A	
LCSD 460-255075/3	Lab Control Sample Duplicate	T	Water	1664A	
MB 460-255075/1	Method Blank	T	Water	1664A	
460-83615-2	Effluent - Grab	T	Water	1664A	
460-83615-2MS	Matrix Spike	T	Water	1664A	

Report Basis

T = Total

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Laboratory Chronicle

Lab ID: 460-83615-1

Client ID: Effluent - Composite

Sample Date/Time: 09/30/2014 07:20

Received Date/Time: 09/30/2014 12:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:625	460-83615-D-1-A		460-254350	460-252972	10/01/2014 10:13	1	TAL EDI	MDC
A:625	460-83615-D-1-A		460-254350	460-252972	10/08/2014 08:50	1	TAL EDI	MMC
P:608	460-83615-H-1-A		460-253466	460-253274	10/02/2014 13:00	1	TAL EDI	HAW
A:608	460-83615-H-1-A		460-253466	460-253274	10/03/2014 09:42	1	TAL EDI	TSF
P:351.2	460-83615-C-1-A		480-206465	480-206289	10/07/2014 05:54	1	TAL BUF	LAW
A:351.2_ASP	460-83615-C-1-A		480-206465	480-206289	10/07/2014 19:03	1	TAL BUF	CLT
A:353.2	460-83615-A-1		480-205542		10/01/2014 19:12	1	TAL BUF	RS
A:SM 4500 NO3 F	460-83615-A-1		480-205526		10/01/2014 16:58	1	TAL BUF	RS
A:SM 5210B	460-83615-F-1		460-254188		10/01/2014 14:46	1	TAL EDI	PLS
A:Total Nitrogen	460-83615-A-1		480-207139		10/10/2014 12:53	1	TAL BUF	KMF

Lab ID: 460-83615-1 DU

Client ID: Effluent - Composite

Sample Date/Time: 09/30/2014 07:20

Received Date/Time: 09/30/2014 12:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:351.2	460-83615-C-1-B DU		480-206465	480-206289	10/07/2014 05:54	1	TAL BUF	LAW
A:351.2_ASP	460-83615-C-1-B DU		480-206465	480-206289	10/07/2014 19:03	1	TAL BUF	CLT
A:SM 5210B	460-83615-F-1 DU		460-254188		10/01/2014 14:48	1	TAL EDI	PLS

Lab ID: 460-83615-2

Client ID: Effluent - Grab

Sample Date/Time: 09/30/2014 07:45

Received Date/Time: 09/30/2014 12:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	460-83615-B-2		460-253449		10/04/2014 01:52	1	TAL EDI	SZD
P:200.7	460-83615-G-2-A		460-253026	460-252960	10/01/2014 09:40	1	TAL EDI	QZY
A:200.7 Rev 4.4	460-83615-G-2-A		460-253026	460-252960	10/01/2014 14:58	1	TAL EDI	CDC
P:245.1	460-83615-G-2-D		460-254576	460-254511	10/08/2014 11:41	1	TAL EDI	RBS
A:245.1	460-83615-G-2-D		460-254576	460-254511	10/08/2014 14:07	1	TAL EDI	RBS
A:1020B	460-83615-E-2		460-253507		10/03/2014 11:08	1	TAL EDI	MCC
A:1664A	460-83615-I-2		460-255075		10/10/2014 12:44	1	TAL EDI	MAL
A:I 1230	460-83615-F-2		460-252822		09/30/2014 21:47	1	TAL EDI	PXP
A:SM 2540B	460-83615-F-2		460-253177		10/02/2014 08:33	1	TAL EDI	PLS
A:SM 2540D	460-83615-H-2		460-253182		10/02/2014 08:49	1	TAL EDI	PLS
A:SM 4500 Cl- E	460-83615-E-2		460-254589		10/08/2014 12:23	5	TAL EDI	MCC

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Laboratory Chronicle

Lab ID: 460-83615-2 MS

Client ID: Effluent - Grab

Sample Date/Time: 09/30/2014 07:45

Received Date/Time: 09/30/2014 12:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	460-83615-G-2-C MS		460-253026	460-252960	10/01/2014 09:40	1	TAL EDI	QZY
A:200.7 Rev 4.4	460-83615-G-2-C MS		460-253026	460-252960	10/01/2014 15:06	1	TAL EDI	CDC
A:1664A	460-83615-J-2 MS		460-255075		10/10/2014 12:44	1	TAL EDI	MAL
A:I 1230	460-83615-F-2 MS		460-252822		09/30/2014 21:47	1	TAL EDI	PXP

Lab ID: 460-83615-2 DU

Client ID: Effluent - Grab

Sample Date/Time: 09/30/2014 07:45

Received Date/Time: 09/30/2014 12:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	460-83615-G-2-B DU		460-253026	460-252960	10/01/2014 09:40	1	TAL EDI	QZY
A:200.7 Rev 4.4	460-83615-G-2-B DU		460-253026	460-252960	10/01/2014 14:54	1	TAL EDI	CDC
A:I 1230	460-83615-F-2 DU		460-252822		09/30/2014 21:47	1	TAL EDI	PXP
A:SM 2540B	460-83615-F-2 DU		460-253177		10/02/2014 08:33	1	TAL EDI	PLS

Lab ID: 460-83615-2 SD

Client ID: Effluent - Grab

Sample Date/Time: 09/30/2014 07:45

Received Date/Time: 09/30/2014 12:25

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:200.7	460-83615-G-2-A SD ^5		460-253026	460-252960	10/01/2014 09:40	5	TAL EDI	QZY
A:200.7 Rev 4.4	460-83615-G-2-A SD ^5		460-253026	460-252960	10/01/2014 15:02	5	TAL EDI	CDC
P:200.7	460-83615-G-2-A PDS		460-253026	460-252960	10/01/2014 09:40	1	TAL EDI	QZY
A:200.7 Rev 4.4	460-83615-G-2-A PDS		460-253026	460-252960	10/01/2014 15:09	1	TAL EDI	CDC

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	MB 460-253449/6		460-253449		10/03/2014 09:13	1	TAL EDI	SZD
P:625	MB 460-252972/1-A		460-253756	460-252972	10/01/2014 10:13	1	TAL EDI	MDC
A:625	MB 460-252972/1-A		460-253756	460-252972	10/05/2014 12:31	1	TAL EDI	MMC
P:608	MB 460-253274/1-A		460-253466	460-253274	10/02/2014 13:00	1	TAL EDI	HAW
A:608	MB 460-253274/1-A		460-253466	460-253274	10/03/2014 08:59	1	TAL EDI	TSF
P:200.7	MB 460-252960/1-A		460-253026	460-252960	10/01/2014 09:40	1	TAL EDI	QZY
A:200.7 Rev 4.4	MB 460-252960/1-A		460-253026	460-252960	10/01/2014 15:28	1	TAL EDI	CDC
P:245.1	MB 460-254511/1-A		460-254576	460-254511	10/08/2014 11:41	1	TAL EDI	RBS
A:245.1	MB 460-254511/1-A		460-254576	460-254511	10/08/2014 13:41	1	TAL EDI	RBS
A:1664A	MB 460-255075/1		460-255075		10/10/2014 12:44	1	TAL EDI	MAL
P:351.2	MB 480-206289/1-A		480-206465	480-206289	10/07/2014 05:54	1	TAL BUF	LAW
A:351.2_ASP	MB 480-206289/1-A		480-206465	480-206289	10/07/2014 17:36	1	TAL BUF	CLT
A:353.2	MB 480-205542/3		480-205542		10/01/2014 19:10	1	TAL BUF	RS
A:353.2	MB 480-205542/27		480-205542		10/01/2014 19:37	1	TAL BUF	RS
A:I 1230	MB 460-252822/9		460-252822		09/30/2014 21:47	1	TAL EDI	PXP
A:SM 2540B	MB 460-253177/1		460-253177		10/02/2014 08:33	1	TAL EDI	PLS
A:SM 2540D	MB 460-253182/1		460-253182		10/02/2014 08:49	1	TAL EDI	PLS
A:SM 4500 Cl- E	MB 460-254589/5		460-254589		10/08/2014 11:55	1	TAL EDI	MCC
A:SM 4500 NO3 F	MB 480-205526/4		480-205526		10/01/2014 16:55	1	TAL BUF	RS
A:SM 4500 NO3 F	MB 480-205526/52		480-205526		10/01/2014 17:50	1	TAL BUF	RS
A:SM 5210B	MB 460-254188/1		460-254188		10/01/2014 14:31	1	TAL EDI	PLS

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	LCS 460-253449/3		460-253449		10/03/2014 07:50	1	TAL EDI	SZD
P:625	LCS 460-252972/2-A		460-253756	460-252972	10/01/2014 10:13	1	TAL EDI	MDC
A:625	LCS 460-252972/2-A		460-253756	460-252972	10/05/2014 07:34	1	TAL EDI	MMC
P:608	LCS 460-253274/2-A		460-253466	460-253274	10/02/2014 13:00	1	TAL EDI	HAW
A:608	LCS 460-253274/2-A		460-253466	460-253274	10/03/2014 09:14	1	TAL EDI	TSF
P:200.7	LCS 460-252960/2-A		460-253026	460-252960	10/01/2014 09:40	1	TAL EDI	QZY
A:200.7 Rev 4.4	LCS 460-252960/2-A		460-253026	460-252960	10/01/2014 15:17	1	TAL EDI	CDC
P:245.1	LCS 460-254511/2-A		460-254576	460-254511	10/08/2014 11:41	1	TAL EDI	RBS
A:245.1	LCS 460-254511/2-A		460-254576	460-254511	10/08/2014 13:42	1	TAL EDI	RBS
A:1664A	LCS 460-255075/2		460-255075		10/10/2014 12:44	1	TAL EDI	MAL
P:351.2	LCS 480-206289/2-A		480-206465	480-206289	10/07/2014 05:54	1	TAL BUF	LAW
A:351.2_ASP	LCS 480-206289/2-A		480-206465	480-206289	10/07/2014 17:07	1	TAL BUF	CLT
A:353.2	LCS 480-205542/4		480-205542		10/01/2014 19:11	1	TAL BUF	RS
A:353.2	LCS 480-205542/28		480-205542		10/01/2014 19:38	1	TAL BUF	RS
A:SM 4500 NO3 F	LCS 480-205526/5		480-205526		10/01/2014 16:57	1	TAL BUF	RS
A:SM 4500 NO3 F	LCS 480-205526/53		480-205526		10/01/2014 17:51	1	TAL BUF	RS
A:SM 5210B	LCS 460-254188/2		460-254188		10/01/2014 14:40	1	TAL EDI	PLS

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:625	LCSD		460-253756	460-252972	10/01/2014 10:13	1	TAL EDI	MDC
A:625	460-252972/3-A LCSD		460-253756	460-252972	10/05/2014 07:58	1	TAL EDI	MMC
P:608	460-252972/3-A LCSD		460-253466	460-253274	10/02/2014 13:00	1	TAL EDI	HAW
A:608	460-253274/3-A LCSD		460-253466	460-253274	10/03/2014 09:28	1	TAL EDI	TSF
A:1664A	460-253274/3-A LCSD		460-255075		10/10/2014 12:44	1	TAL EDI	MAL

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Laboratory Chronicle

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:I 1230	LCSSRM 460-252822/10		460-252822		09/30/2014 21:47	1	TAL EDI	PXP
A:SM 2540B	LCSSRM 460-253177/2		460-253177		10/02/2014 08:33	1	TAL EDI	PLS
A:SM 2540D	LCSSRM 460-253182/2		460-253182		10/02/2014 08:49	1	TAL EDI	PLS
A:SM 4500 Cl- E	LCSSRM 460-254589/6		460-254589		10/08/2014 11:55	1	TAL EDI	MCC

Lab ID: MS

Client ID: N/A

Sample Date/Time: 09/24/2014 11:25

Received Date/Time: 09/25/2014 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	460-83468-B-4 MS		460-253449		10/03/2014 19:51	25	TAL EDI	SZD
P:245.1	460-81949-G-1-C MS		460-254576	460-254511	10/08/2014 11:41	1	TAL EDI	RBS
A:245.1	460-81949-G-1-C MS		460-254576	460-254511	10/08/2014 13:48	1	TAL EDI	RBS
P:351.2	480-68448-D-1-B MS		480-206465	480-206289	10/07/2014 05:54	1	TAL BUF	LAW
A:351.2_ASP	480-68448-D-1-B MS		480-206465	480-206289	10/07/2014 19:03	1	TAL BUF	CLT
A:353.2	480-68310-C-7 MS		480-205542		10/01/2014 19:20	1	TAL BUF	RS
A:SM 4500 Cl- E	460-83700-G-4 MS		460-254589		10/08/2014 12:12	10	TAL EDI	MCC
A:SM 4500 NO3 F	480-68306-I-6 MS		480-205526		10/01/2014 17:06	1	TAL BUF	RS

Lab ID: MSD

Client ID: N/A

Sample Date/Time: 09/24/2014 11:25

Received Date/Time: 09/25/2014 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:624	460-83468-B-4 MSD		460-253449		10/03/2014 20:15	25	TAL EDI	SZD
A:353.2	480-68334-E-5 MSD		480-205542		10/01/2014 19:54	1	TAL BUF	RS
A:SM 4500 Cl- E	460-83700-G-4 MSD		460-254589		10/08/2014 12:12	10	TAL EDI	MCC
A:SM 4500 NO3 F	480-68334-E-5 MSD		480-205526		10/01/2014 18:06	1	TAL BUF	RS

Quality Control Results

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Laboratory Chronicle

Lab ID: DU

Client ID: N/A

Sample Date/Time: 08/29/2014 10:54

Received Date/Time: 08/29/2014 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:245.1	460-81949-G-1-B DU		460-254576	460-254511	10/08/2014 11:41	1	TAL EDI	RBS
A:245.1	460-81949-G-1-B DU		460-254576	460-254511	10/08/2014 13:46	1	TAL EDI	RBS
A:1020B	460-83731-D-1 DU		460-253507		10/03/2014 11:00	1	TAL EDI	MCC
A:353.2	480-68330-E-1 DU		480-205542		10/01/2014 19:31	1	TAL BUF	RS
A:SM 2540D	460-83673-B-1 DU		460-253182		10/02/2014 08:49	1	TAL EDI	PLS
A:SM 4500 NO3 F	480-68310-C-3 DU		480-205526		10/01/2014 17:18	1	TAL BUF	RS

Lab ID: SD

Client ID: N/A

Sample Date/Time: 08/29/2014 10:54

Received Date/Time: 08/29/2014 15:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:245.1	460-81949-G-1-A SD		460-254576	460-254511	10/08/2014 11:41	5	TAL EDI	RBS
	^5							
A:245.1	460-81949-G-1-A SD		460-254576	460-254511	10/08/2014 13:50	5	TAL EDI	RBS
	^5							

Lab References:

TAL BUF = TestAmerica Buffalo

TAL EDI = TestAmerica Edison

Method 624

Volatile Organic Compounds (GC/MS)
by Method 624

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
Effluent - Grab	460-83615-2	97	106	98	98
	MB 460-253449/6	98	103	99	100
	LCS 460-253449/3	102	103	99	99
	460-83468-B-4 MS	101	104	101	98
	460-83468-B-4 MSD	100	102	98	98

	<u>QC LIMITS</u>
DBFM = Dibromofluoromethane (Surr)	70-130
DCA = 1,2-Dichloroethane-d4 (Surr)	79-140
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C0193.D
 Lab ID: LCS 460-253449/3 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloroform	20.0	20.5	103	51-138	
1,1,1-Trichloroethane	20.0	20.5	103	52-162	
Carbon tetrachloride	20.0	20.5	102	70-140	
Tetrachloroethene	20.0	20.2	101	64-148	
MTBE	20.0	20.7	103	84-124	
1,4-Dichlorobenzene	20.0	20.3	101	18-190	
1,2,4-Trichlorobenzene	20.0	21.1	105	67-150	
Benzene	20.0	20.1	100	37-151	
Toluene	20.0	19.5	97	47-150	
o-Xylene	20.0	20.2	101	76-124	
Ethylbenzene	20.0	20.6	103	37-162	
m-Xylene & p-Xylene	20.0	20.3	102	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C0222.D
 Lab ID: 460-83468-B-4 MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Chloroform	500	0.80 U	517	103	51-138	
1,1,1-Trichloroethane	500	0.60 U	532	106	52-162	
Carbon tetrachloride	500	0.60 U	532	106	70-140	
Tetrachloroethene	500	1.0 U	523	105	64-148	
MTBE	500	29	541	103	84-124	
1,4-Dichlorobenzene	500	2.3 U	516	103	18-190	
1,2,4-Trichlorobenzene	500	3.4 U	511	102	67-150	
Benzene	500	0.80 U	516	103	37-151	
Toluene	500	1.5 U	503	101	47-150	
o-Xylene	500	1.3 U	528	106	76-124	
Ethylbenzene	500	1.0 U	530	106	37-162	
m-Xylene & p-Xylene	500	2.5 U	531	106	78-122	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: C0223.D
 Lab ID: 460-83468-B-4 MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Chloroform	500	522	104	1	30	51-138	
1,1,1-Trichloroethane	500	547	109	3	30	52-162	
Carbon tetrachloride	500	563	113	5	30	70-140	
Tetrachloroethene	500	526	105	1	30	64-148	
MTBE	500	557	106	3	30	84-124	
1,4-Dichlorobenzene	500	526	105	2	30	18-190	
1,2,4-Trichlorobenzene	500	531	106	4	30	67-150	
Benzene	500	520	104	1	30	37-151	
Toluene	500	507	101	1	30	47-150	
o-Xylene	500	531	106	1	30	76-124	
Ethylbenzene	500	532	106	0	30	37-162	
m-Xylene & p-Xylene	500	541	108	2	30	78-122	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab File ID: C0196.D Lab Sample ID: MB 460-253449/6
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: CVOAMS3 Date Analyzed: 10/03/2014 09:13
GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-253449/3	C0193.D	10/03/2014 07:50
	460-83468-B-4 MS	C0222.D	10/03/2014 19:51
	460-83468-B-4 MSD	C0223.D	10/03/2014 20:15
Effluent - Grab	460-83615-2	C0237.D	10/04/2014 01:52

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab File ID: C0069.D BFB Injection Date: 10/01/2014
Instrument ID: CVOAMS3 BFB Injection Time: 02:10
Analysis Batch No.: 252857

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.6
75	30.0 - 60.0 % of mass 95	50.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.1
173	Less than 2.0 % of mass 174	0.3 (0.2) 1
174	50.0 - 120.00 % of mass 95	115.4
175	5.0 - 9.0 % of mass 174	8.0 (7.0) 1
176	95.0 - 101.0 % of mass 174	109.7 (95.1) 1
177	5.0 - 9.0 % of mass 176	7.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD20 460-252857/2	C0070.D	10/01/2014	03:01
	STD1 460-252857/5	C0073.D	10/01/2014	04:29
	STD5 460-252857/6	C0074.D	10/01/2014	04:53
	STD50 460-252857/7	C0075.D	10/01/2014	05:17
	STD200 460-252857/8	C0076.D	10/01/2014	05:42
	STD500 460-252857/9	C0077.D	10/01/2014	06:06

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Lab File ID: C0191.D BFB Injection Date: 10/03/2014
 Instrument ID: CVOAMS3 BFB Injection Time: 06:52
 Analysis Batch No.: 253449

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	18.4
75	30.0 - 60.0 % of mass 95	50.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	104.4
175	5.0 - 9.0 % of mass 174	7.8 (7.5) 1
176	95.0 - 101.0 % of mass 174	102.6 (98.3) 1
177	5.0 - 9.0 % of mass 176	6.7 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-253449/2	C0192.D	10/03/2014	07:13
	LCS 460-253449/3	C0193.D	10/03/2014	07:50
	MB 460-253449/6	C0196.D	10/03/2014	09:13
	460-83468-B-4 MS	C0222.D	10/03/2014	19:51
	460-83468-B-4 MSD	C0223.D	10/03/2014	20:15
Effluent - Grab	460-83615-2	C0237.D	10/04/2014	01:52

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Sample No.: CCVIS 460-253449/2 Date Analyzed: 10/03/2014 07:13
 Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): C0192.D Heated Purge: (Y/N) N
 Calibration ID: 43093

		TBA		FB		DXE	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		353115	3.27	556215	5.71	38484	6.49
UPPER LIMIT		706230	3.77	1112430	6.21	76968	6.99
LOWER LIMIT		176558	2.77	278108	5.21	19242	5.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-253449/3		351479	3.27	543260	5.71	39398	6.49
MB 460-253449/6		344971	3.26	569102	5.70	38725	6.48
460-83468-B-4 MS		341621	3.27	504527	5.70	38085	6.48
460-83468-B-4 MSD		314118	3.27	486509	5.71	35238	6.48
460-83615-2	Effluent - Grab	331956	3.26	499868	5.71	38388	6.48

TBA = TBA-d9 (IS)
 FB = Fluorobenzene
 DXE = 1,4-Dioxane-d8

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
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Sample No.: CCVIS 460-253449/2 Date Analyzed: 10/03/2014 07:13
 Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm)
 Lab File ID (Standard): C0192.D Heated Purge: (Y/N) N
 Calibration ID: 43093

	CBZ		DCB			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	446996	8.67	265972	10.45		
UPPER LIMIT	893992	9.17	531944	10.95		
LOWER LIMIT	223498	8.17	132986	9.95		
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-253449/3		443602	8.67	262250	10.45	
MB 460-253449/6		458524	8.67	268626	10.45	
460-83468-B-4 MS		404942	8.67	241652	10.45	
460-83468-B-4 MSD		393229	8.67	233362	10.45	
460-83615-2	Effluent - Grab	400324	8.67	240015	10.45	

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

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 I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Client Sample ID: Effluent - Grab Lab Sample ID: 460-83615-2

Matrix: Water Lab File ID: C0237.D

Analysis Method: 624 Date Collected: 09/30/2014 07:45

Sample wt/vol: 5(mL) Date Analyzed: 10/04/2014 01:52

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)

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

Analysis Batch No.: 253449 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.080	U	1.0	0.080
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
1634-04-4	MTBE	5.3		1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34
71-43-2	Benzene	0.080	U	1.0	0.080
108-88-3	Toluene	0.15	U	1.0	0.15
95-47-6	o-Xylene	0.13	U	1.0	0.13
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
1330-20-7	Xylenes, Total	0.36	U	2.0	0.36
179601-23-1	m-Xylene & p-Xylene	0.25	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane (Surr)	97		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		79-140
2037-26-5	Toluene-d8 (Surr)	98		70-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0237.D
 Lims ID: 460-83615-B-2 Lab Sample ID: 460-83615-2
 Client ID: Effluent - Grab
 Sample Type: Client
 Inject. Date: 04-Oct-2014 01:52:30 ALS Bottle#: 46 Worklist Smp#: 47
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 460-83615-B-2
 Misc. Info.: 460-0018861-047
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Method: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 30-Oct-2014 17:14:59 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK005

First Level Reviewer: desais

Date: 04-Oct-2014 05:32:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 151 TBA-d9 (IS)	65	3.264	3.271	-0.007	88	331956	1000.0	
27 Methyl tert-butyl ether	73	3.453	3.453	0.000	96	42173	5.27	
\$ 152 Dibromofluoromethane (Surr	113	4.992	4.992	0.000	93	121109	48.7	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.394	5.394	0.000	88	158721	53.1	
* 59 Fluorobenzene	96	5.710	5.710	0.000	99	499868	50.0	
* 150 1,4-Dioxane-d8	96	6.483	6.489	-0.006	97	38388	1000.0	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	100	478263	49.2	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	85	400324	50.0	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	96	194507	48.8	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	94	240015	50.0	

Reagents:

8260ISSUR50_00006

Amount Added: 5.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0237.D

Injection Date: 04-Oct-2014 01:52:30

Instrument ID: CVOAMS3

Operator ID: VOA GC/MS3

Lims ID: 460-83615-B-2

Lab Sample ID: 460-83615-2

Worklist Smp#: 47

Client ID: Effluent - Grab

Purge Vol: 5.000 mL

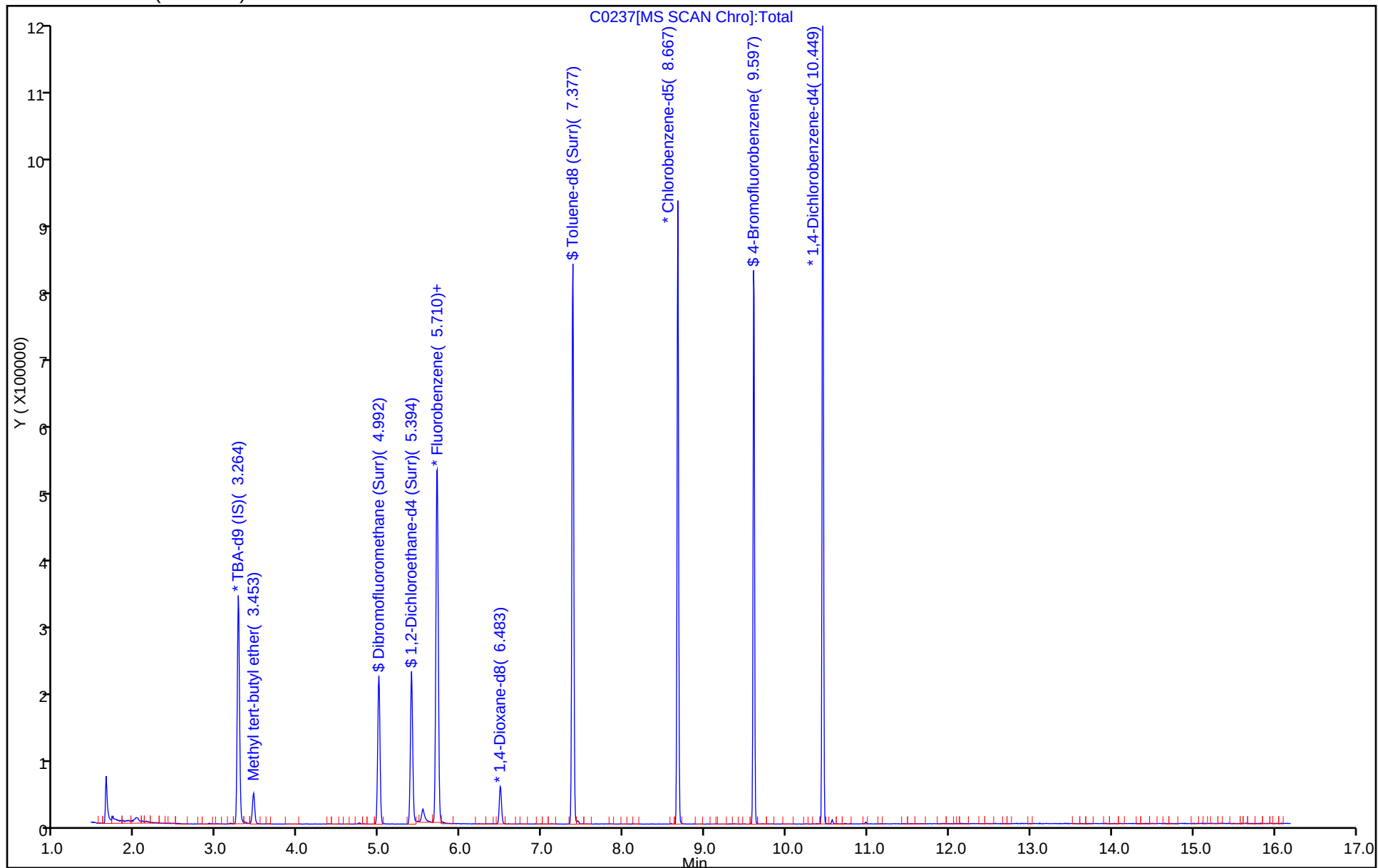
Dil. Factor: 1.0000

ALS Bottle#: 46

Method: 8260W_3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0237.D

Injection Date: 04-Oct-2014 01:52:30

Instrument ID: CVOAMS3

Lims ID: 460-83615-B-2

Lab Sample ID: 460-83615-2

Client ID: Effluent - Grab

Operator ID: VOA GC/MS3

ALS Bottle#: 46

Worklist Smp#: 47

Purge Vol: 5.000 mL

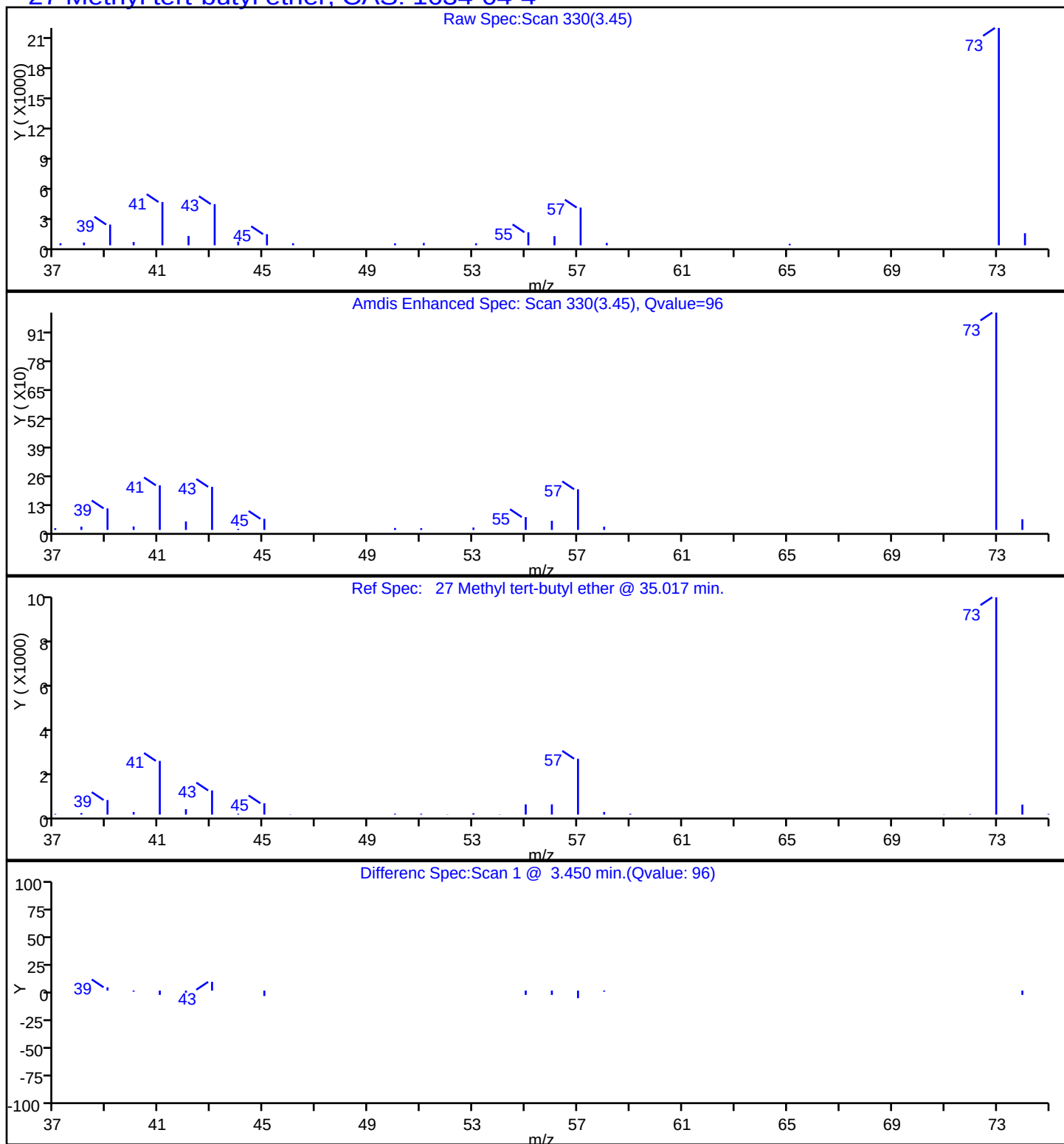
Dil. Factor: 1.0000

Method: 8260W_3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)

Detector: MS SCAN

27 Methyl tert-butyl ether, CAS: 1634-04-4

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-252857/5	C0073.D
Level 2	STD5 460-252857/6	C0074.D
Level 3	STD20 460-252857/2	C0070.D
Level 4	STD50 460-252857/7	C0075.D
Level 5	STD200 460-252857/8	C0076.D
Level 6	STD500 460-252857/9	C0077.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3942 0.3296	0.3414	0.3597	0.3424	0.3437	Ave		0.3518				6.5		35.0			
Chloromethane	0.3282 0.2205	0.2429	0.2500	0.2410	0.2387	Ave		0.2535				15.0		35.0			
Vinyl chloride	0.3110 0.2415	0.2370	0.2531	0.2518	0.2630	Ave		0.2596				10.0		35.0			
Bromomethane	2.1992 2.7822	1.5655	1.7006	1.7918	2.3045	Ave		2.0573				22.0		35.0			
Ethyl Chloride	0.1520 0.1445	0.1924	0.1705	0.1585	0.1585	Ave		0.1627				10.0		35.0			
Trichlorofluoromethane	0.5375 0.4626	0.4380	0.4695	0.4661	0.4844	Ave		0.4764				7.0		35.0			
n-Pentane	0.0519 0.0473	0.0313	0.0532	0.0449	0.0487	Ave		0.0462				17.0		35.0			
Ethanol	0.0621 0.0398	0.0439	0.0446	0.0400	0.0451	Ave		0.0459				18.0		35.0			
Ethyl ether	0.2560 0.1977	0.2113	0.1996	0.1969	0.2160	Ave		0.2129				11.0		35.0			
Isoprene	0.4468 0.5944	0.3094	0.4196	0.3459	0.4118	Ave		0.4213				23.0		35.0			
Freon TF	0.2362 0.2666	0.1321	0.2864	0.2741	0.2890	Ave		0.2474				24.0		35.0			
Acrolein	0.0332 0.0402	0.0320	0.0295	0.0349	0.0414	Ave		0.0352				13.0		35.0			
1,1-Dichloroethene	0.3105 0.2551	0.2117	0.2544	0.2525	0.2797	Ave		0.2607				13.0		35.0			
Acetone	0.1646 0.1157	0.1327	0.0904	0.1093	0.1228	Ave		0.1226				20.0		35.0			
Iodomethane	0.0327 0.1347	0.0339	0.0710	0.0955	0.1201	LinF		0.1323							0.9960		0.9900

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	0.6871 0.7394	0.5091	0.6305	0.6839	0.8091	Ave		0.6765				15.0		35.0			
Isopropanol	0.6082 0.5435	0.5615	0.5497	0.5392	0.6053	Ave		0.5679				5.5		35.0			
Allyl chloride	0.1200 0.1128	0.1225	0.1237	0.1137	0.1229	Ave		0.1193				4.0		35.0			
Methyl acetate	0.2677 0.1999	0.2372	0.2376	0.2160	0.2421	Ave		0.2334				10.0		35.0			
Acetonitrile	0.0536 0.0455	0.0436	0.0448	0.0361	0.0487	Ave		0.0454				13.0		35.0			
Methylene Chloride	0.3215 0.2630	0.2789	0.2631	0.2584	0.2941	Ave		0.2798				8.7		35.0			
TBA	1.4879 0.8959	1.1523	1.0343	1.0067	1.0011	Ave		1.0964				19.0		35.0			
MTBE	0.8973 0.7098	0.8115	0.7872	0.7551	0.8446	Ave		0.8009				8.3		35.0			
trans-1,2-Dichloroethene	0.3413 0.2756	0.2765	0.2798	0.2775	0.2997	Ave		0.2917				8.9		35.0			
Acrylonitrile	0.1230 0.0916	0.1088	0.1097	0.1053	0.1125	Ave		0.1085				9.4		35.0			
Hexane	0.0930 0.2212	0.0736	0.2458	0.2328	0.2488	LinF		0.2251							0.9970		0.9900
DIPE	0.9049 0.6739	0.7464	0.7646	0.7118	0.7924	Ave		0.7657				10.0		35.0			
1,1-Dichloroethane	0.5291 0.4326	0.4586	0.4575	0.4492	0.4832	Ave		0.4684				7.3		35.0			
Vinyl acetate	0.4893 0.3690	0.4828	0.4106	0.4632	0.4801	Ave		0.4492				11.0		35.0			
Allyl alcohol	0.1374 0.1525	0.1514	0.1639	0.1564	0.1770	Ave		0.1565				8.5		35.0			
2,2-Dichloropropane	0.4688 0.3201	0.3768	0.4305	0.4086	0.4330	Ave		0.4063				13.0		35.0			
cis-1,2-Dichloroethene	0.3556 0.2919	0.3066	0.3037	0.3006	0.3249	Ave		0.3139				7.4		35.0			
2-Butanone	1.5301 1.0685	1.4055	1.1948	1.2676	1.3155	Ave		1.2970				12.0		35.0			
Ethyl acetate	0.0239 0.0280	0.0256	0.0283	0.0271	0.0306	Ave		0.0272				8.4		35.0			
Tetrahydrofuran	0.1205 0.1117	0.1035	0.0902	0.0872	0.0815	Ave		0.0991				15.0		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Bromochloromethane	0.1453 0.1394	0.1381	0.1288	0.1268	0.1500	Ave		0.1381				6.6		35.0			
Chloroform	0.5581 0.4485	0.4899	0.4801	0.4689	0.5004	Ave		0.4910				7.6		35.0			
Cyclohexane	0.3385 0.3937	0.2042	0.4583	0.4411	0.4585	Ave		0.3824				26.0		35.0			
1,1,1-Trichloroethane	0.4902 0.4279	0.3769	0.4576	0.4502	0.4879	Ave		0.4484				9.4		35.0			
Carbon tetrachloride	0.3861 0.3773	0.2810	0.3900	0.3908	0.4331	Ave		0.3764				13.0		35.0			
1,1-Dichloropropene	0.4367 0.3326	0.2974	0.3558	0.3431	0.3827	Ave		0.3581				13.0		35.0			
Benzene	1.6929 1.0782	1.3543	1.3339	1.2856	1.3492	Ave		1.3490				15.0		35.0			
Isopropyl acetate	0.8716 0.6975	0.7551	0.7623	0.7074	0.7925	Ave		0.7644				8.3		35.0			
1,2-Dichloroethane	0.4314 0.3386	0.3923	0.3643	0.3537	0.3826	Ave		0.3772				8.7		35.0			
n-Heptane	0.0494 0.1923	0.0566	0.2147	0.2049	0.2177	LinF		0.1959							0.9970		0.9900
Ethyl acrylate	0.2242 0.3590	0.2216	0.4091	0.3478	0.3917	Ave		0.3256				25.0		35.0			
n-Butanol	0.2010 0.2346	0.2218	0.2513	0.2453	0.2699	Ave		0.2373				10.0		35.0			
Trichloroethene	0.3691 0.2794	0.2945	0.2953	0.2857	0.3179	Ave		0.3070				11.0		35.0			
Methylcyclohexane	0.1886 0.4360	0.1670	0.5058	0.4742	0.4991	LinF		0.4450							0.9960		0.9900
1,2-Dichloropropane	0.2999 0.2228	0.2564	0.2474	0.2407	0.2597	Ave		0.2545				10.0		35.0			
Methyl methacrylate	0.0973 0.0943	0.0997	0.0976	0.0946	0.1032	Ave		0.0978				3.4		35.0			
p-Dioxane	1.1953 1.0667	1.2013	1.1268	0.9826	1.1179	Ave		1.1151				7.4		35.0			
Dibromomethane	0.1921 0.1321	0.1706	0.1706	0.1635	0.1460	Ave		0.1625				13.0		35.0			
Propyl acetate	0.4516 0.4157	0.4162	0.4191	0.3926	0.4570	Ave		0.4254				5.7		35.0			
Bromodichloromethane	0.3201 0.3425	0.2854	0.3300	0.3435	0.3974	Ave		0.3365				11.0		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chloroethyl vinyl ether	0.1589 0.1325	0.1503	0.1535	0.1456	0.1490	Ave		0.1483				6.0		35.0			
Epichlorohydrin	0.0325 0.0279	0.0309	0.0330	0.0307	0.0331	Ave		0.0313				6.3		35.0			
cis-1,3-Dichloropropene	0.5077 0.4797	0.4900	0.5212	0.5099	0.5750	Ave		0.5139				6.5		35.0			
4-Methyl-2-pentanone	0.3717 0.2442	0.3556	0.3438	0.3299	0.3331	Ave		0.3297				14.0		35.0			
Toluene	2.3455 1.0867	1.5781	1.5400	1.4365	1.4711	Ave		1.5763				26.0		35.0			
trans-1,3-Dichloropropene	0.4076 0.4302	0.3967	0.4333	0.4399	0.5085	Ave		0.4360				9.0		35.0			
1,1,2-Trichloroethane	0.2897 0.2364	0.2679	0.2572	0.2514	0.2756	Ave		0.2630				7.2		35.0			
Tetrachloroethene	0.5598 0.4578	0.4123	0.5051	0.4841	0.5217	Ave		0.4901				10.0		35.0			
1,3-Dichloropropane	0.6412 0.4486	0.5237	0.5077	0.4911	0.5328	Ave		0.5242				12.0		35.0			
2-Hexanone	0.2952 0.1962	0.2775	0.2506	0.2488	0.2515	Ave		0.2533				13.0		35.0			
Butyl acetate	0.0908 0.0811	0.0783	0.0740	0.0752	0.0853	Ave		0.0808				7.9		35.0			
Dibromochloromethane	0.2897 0.3782	0.2972	0.3393	0.3547	0.4268	Ave		0.3477				15.0		35.0			
1,2-Dibromoethane	0.3790 0.3242	0.3575	0.3411	0.3348	0.3697	Ave		0.3511				6.1		35.0			
Chlorobenzene	1.3949 0.8076	1.0479	1.0367	0.9872	1.0228	Ave		1.0495				18.0		35.0			
Ethylbenzene	0.6716 0.4765	0.5383	0.5636	0.5400	0.5697	Ave		0.5599				11.0		35.0			
1,1,1,2-Tetrachloroethane	0.3585 0.3588	0.3450	0.3671	0.3638	0.4073	Ave		0.3667				5.8		35.0			
m-Xylene & p-Xylene	0.7882 0.5914	0.6729	0.7120	0.6800	0.7141	Ave		0.6931				9.3		35.0			
n-Butyl acrylate	0.2103 0.2591	0.2115	0.2368	0.2379	0.2722	Ave		0.2380				10.0		35.0			
o-Xylene	0.8144 0.5628	0.6699	0.6636	0.6442	0.6749	Ave		0.6716				12.0		35.0			
Styrene	1.3165 0.8836	1.1466	1.1403	1.0926	1.1437	Ave		1.1205				12.0		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Amyl acetate	0.8963 0.9063	0.9109	0.9552	0.9291	1.0094	Ave		0.9345				4.5		35.0			
Bromoform	0.2042 0.3361	0.2092	0.2427	0.2674	0.3380	Ave		0.2663				22.0		35.0			
Isopropylbenzene	1.7137 1.1463	1.5775	1.8020	1.7242	1.6477	Ave		1.6019				15.0		35.0			
Camphene, Total	0.1143 0.1394	0.0940	0.1478	0.1295	0.1469	Ave		0.1286				16.0		35.0			
Bromobenzene	1.1287 0.7820	0.8888	0.8523	0.8329	0.9037	Ave		0.8981				13.0		35.0			
1,1,2,2-Tetrachloroethane	0.7889 0.6506	0.7065	0.6883	0.6724	0.7302	Ave		0.7061				6.9		35.0			
N-Propylbenzene	3.1378 2.0787	3.0392	3.4806	3.3581	3.1330	Ave		3.0379				16.0		35.0			
1,2,3-Trichloropropane	0.3156 0.2485	0.2694	0.2496	0.2493	0.2651	Ave		0.2662				9.7		35.0			
2-Chlorotoluene	2.6425 1.6189	2.2454	2.3226	2.2309	2.2002	Ave		2.2101				15.0		35.0			
1,3,5-Trimethylbenzene	2.4762 1.6941	2.3660	2.5723	2.4795	2.4535	Ave		2.3403				14.0		35.0			
4-Chlorotoluene	2.4426 1.5187	2.0689	2.1240	2.0408	2.0508	Ave		2.0410				15.0		35.0			
Butyl Methacrylate	0.6315 0.7157	0.6988	0.7641	0.7496	0.8160	Ave		0.7293				8.6		35.0			
tert-Butylbenzene	1.8365 1.6164	1.9660	2.3179	2.2007	2.1939	Ave		2.0219				13.0		35.0			
1,2,4-Trimethylbenzene	2.4756 1.7036	2.4780	2.6333	2.5242	2.4447	Ave		2.3766				14.0		35.0			
sec-Butylbenzene	2.3975 1.9281	2.4864	3.2440	3.0774	2.8697	Ave		2.6672				18.0		35.0			
p-Isopropyltoluene	2.2750 1.7683	2.4596	2.9728	2.8276	2.6748	Ave		2.4963				17.0		35.0			
1,3-Dichlorobenzene	1.8978 1.2240	1.6203	1.5939	1.5226	1.5799	Ave		1.5731				14.0		35.0			
1,4-Dichlorobenzene	2.0765 1.2182	1.6584	1.5926	1.5299	1.5768	Ave		1.6087				17.0		35.0			
Benzyl chloride	0.9735 1.2568	1.0194	1.3586	1.3544	1.5490	Ave		1.2520				18.0		35.0			
n-Butylbenzene	2.3160 1.9921	2.3943	2.9958	2.8561	2.8345	Ave		2.5648				15.0		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.8893 1.1560	1.5361	1.4654	1.4144	1.4719	Ave		1.4889				16.0		35.0			
1,2-Dibromo-3-Chloropropane	0.1354 0.1425	0.1227	0.1368	0.1370	0.1562	Ave		0.1384				7.9		35.0			
Camphor	0.0966 0.0776	0.0856	0.0967	0.0833	0.0793	Ave		0.0865				9.6		35.0			
1,2,4-Trichlorobenzene	1.1235 0.9164	1.0700	1.1105	1.0445	1.1171	Ave		1.0637				7.4		35.0			
Hexachlorobutadiene	0.5674 0.5538	0.4994	0.6698	0.6259	0.6598	Ave		0.5960				11.0		35.0			
Naphthalene	2.5536 1.7894	2.2044	2.3311	2.2747	2.3597	Ave		2.2522				11.0		35.0			
1,2,3-Trichlorobenzene	0.9922 0.7910	0.9143	0.9715	0.9169	0.9433	Ave		0.9215				7.7		35.0			
Dibromofluoromethane (Surr)	0.2402 0.2557	0.2473	0.2468	0.2520	0.2497	Ave		0.2486				2.1		35.0			
1,2-Dichloroethane-d4 (Surr)	0.2942 0.3037	0.3042	0.3030	0.2985	0.2890	Ave		0.2988				2.1		35.0			
Toluene-d8 (Surr)	1.2129 1.2323	1.1974	1.2174	1.2073	1.2139	Ave		1.2135				1.0		35.0			
Bromofluorobenzene	0.8298 0.8597	0.8206	0.8221	0.8166	0.8319	Ave		0.8301				1.9		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 460-252857/5	C0073.D
Level 2	STD5 460-252857/6	C0074.D
Level 3	STD20 460-252857/2	C0070.D
Level 4	STD50 460-252857/7	C0075.D
Level 5	STD200 460-252857/8	C0076.D
Level 6	STD500 460-252857/9	C0077.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4565 1977692	21516	86706	208181	789469	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	3800 1323265	15308	60268	146510	548396	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	3601 1449062	14935	61010	153120	604158	1.00 500	5.00	20.0	50.0	200
Bromomethane	TBA	Ave	777 606319	3009	13087	33087	168783	1.00 500	5.00	20.0	50.0	200
Ethyl Chloride	FB	Ave	1760 866836	12127	41100	96362	364023	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	6224 2776240	27608	113184	283407	1112824	1.00 500	5.00	20.0	50.0	200
n-Pentane	FB	Ave	1201 568121	3948	25641	54600	223756	2.00 1000	10.0	40.0	100	400
Ethanol	TBA	Ave	1097 434124	4223	17163	36924	165206	50.0 25000	250	1000	2500	10000
Ethyl ether	FB	Ave	2964 1186339	13321	48131	119696	496181	1.00 500	5.00	20.0	50.0	200
Isoprene	FB	Ave	5174 3566992	19500	101154	210311	945947	1.00 500	5.00	20.0	50.0	200
Freon TF	FB	Ave	2735 1599844	8328	69048	166667	663938	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	Ave	1537 192949	8075	14203	42412	95177	4.00 400	20.0	40.0	100	200
1,1-Dichloroethene	FB	Ave	3595 1531120	13345	61335	153518	642546	1.00 500	5.00	20.0	50.0	200
Acetone	FB	Ave	9533 3471061	41809	109002	332195	1410767	5.00 2500	25.0	100	250	1000
Iodomethane	FB	LinF	379 808478	2134	17126	58054	275960	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	7957 4436867	32091	152000	415836	1858612	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isopropanol	TBA	Ave	2149 1184520	10792	42302	99562	443292	10.0 5000	50.0	200	500	2000
Allyl chloride	FB	Ave	1390 676978	7720	29823	69148	282335	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	Ave	15498 5999034	74751	286438	656592	2780246	5.00 2500	25.0	100	250	1000
Acetonitrile	FB	Ave	6206 2732459	27503	107925	219441	1117786	10.0 5000	50.0	200	500	2000
Methylene Chloride	FB	Ave	3723 1577998	17580	63424	157097	675669	1.00 500	5.00	20.0	50.0	200
TBA	TBA	Ave	5257 1952387	22147	79597	185897	733234	10.0 5000	50.0	200	500	2000
MTBE	FB	Ave	10391 4259703	51151	189764	459093	1940060	1.00 500	5.00	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	3952 1653959	17427	67465	168752	688388	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	14242 5495606	68589	264385	640268	2583929	10.0 5000	50.0	200	500	2000
Hexane	FB	LinF	1077 1327172	4639	59258	141569	571537	1.00 500	5.00	20.0	50.0	200
DIPE	FB	Ave	10478 4043859	47046	184329	432814	1820168	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	6127 2595926	28907	110296	273131	1109929	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	11331 4428949	60860	197972	563205	2205820	2.00 1000	10.0	40.0	100	400
Allyl alcohol	TBA	Ave	1214 830869	7274	31542	72219	324074	25.0 12500	125	500	1250	5000
2,2-Dichloropropane	FB	Ave	5429 1920900	23748	103789	248442	994681	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	4118 1751860	19325	73225	182756	746436	1.00 500	5.00	20.0	50.0	200
2-Butanone	TBA	Ave	2703 1164353	13507	45974	117037	481750	5.00 2500	25.0	100	250	1000
Ethyl acetate	FB	Ave	554 335538	3226	13628	32948	140423	2.00 1000	10.0	40.0	100	400
Tetrahydrofuran	FB	Ave	2791 1340545	13044	43474	106019	374587	2.00 1000	10.0	40.0	100	400
Bromochloromethane	FB	Ave	1682 836690	8704	31045	77115	344630	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	6463 2691179	30879	115744	285097	1149410	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Cyclohexane	FB	Ave	3920 2362373	12871	110491	268176	1053192	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	5676 2567584	23756	110310	273748	1120760	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	4471 2264160	17712	94012	237624	994901	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	5057 1995993	18746	85773	208626	879187	1.00 500	5.00	20.0	50.0	200
Benzene	CBZ	Ave	15601 5126303	68614	257635	628210	2464888	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	10093 4185651	47591	183783	430097	1820511	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	4996 2032194	24727	87828	215071	878926	1.00 500	5.00	20.0	50.0	200
n-Heptane	FB	LinF	572 1154014	3565	51753	124580	500177	1.00 500	5.00	20.0	50.0	200
Ethyl acrylate	FB	Ave	2596 2154448	13968	98620	211457	899730	1.00 500	5.00	20.0	50.0	200
n-Butanol	TBA	Ave	1775 1278089	10656	48344	113225	494194	25.0 12500	125	500	1250	5000
Trichloroethene	FB	Ave	4274 1676414	18564	71195	173710	730324	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	LinF	2184 2616571	10523	121941	288310	1146512	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	3473 1336798	16160	59646	146358	596569	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	2253 1132218	12571	47074	115040	474303	2.00 1000	10.0	40.0	100	400
p-Dioxane	DXE	Ave	2354 448935	5229	19199	41592	175372	50.0 10000	100	400	1000	4000
Dibromomethane	FB	Ave	2224 792969	10751	41135	99405	335439	1.00 500	5.00	20.0	50.0	200
Propyl acetate	FB	Ave	5229 2494559	26232	101024	238733	1049790	1.00 500	5.00	20.0	50.0	200
Bromodichloromethane	FB	Ave	3707 2055486	17987	79548	208858	912939	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	FB	Ave	1840 794992	9474	37005	88501	342362	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	CBZ	Ave	5981 2651314	31335	127478	299826	1210511	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	CBZ	Ave	4679 2280788	24825	100659	249175	1050535	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Methyl-2-pentanone	CBZ	Ave	17126 5805537	90077	331958	805964	3042485	5.00 2500	25.0	100	250	1000
Toluene	CBZ	Ave	21615 5166626	79952	297428	701950	2687661	1.00 500	5.00	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	Ave	3756 2045439	20099	83692	214983	929020	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	2670 1123854	13575	49678	122831	503422	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	5159 2176511	20887	97554	236565	953164	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	5909 2132908	26532	98063	239995	973428	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	Ave	13601 4665385	70291	241983	607910	2296984	5.00 2500	25.0	100	250	1000
Butyl acetate	CBZ	Ave	837 385728	3968	14301	36754	155779	1.00 500	5.00	20.0	50.0	200
Dibromochloromethane	CBZ	Ave	2670 1798305	15057	65539	173320	779712	1.00 500	5.00	20.0	50.0	200
1,2-Dibromoethane	CBZ	Ave	3493 1541261	18115	65880	163616	675358	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBZ	Ave	12855 3839728	53094	200230	482385	1868588	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	6189 2265502	27274	108858	263879	1040776	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	3304 1705862	17477	70895	177764	744132	1.00 500	5.00	20.0	50.0	200
m-Xylene & p-Xylene	CBZ	Ave	7264 2811767	34094	137516	332292	1304625	1.00 500	5.00	20.0	50.0	200
n-Butyl acrylate	CBZ	Ave	1938 1232057	10717	45729	116231	497373	1.00 500	5.00	20.0	50.0	200
o-Xylene	CBZ	Ave	7505 2675955	33939	128174	314772	1232934	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	12132 4201032	58092	220236	533924	2089512	1.00 500	5.00	20.0	50.0	200
Amyl acetate	DCB	Ave	4840 2576873	27217	108773	264169	1078886	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	1882 1598034	10600	46867	130658	617576	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	15793 5450291	79923	348041	842534	3010244	1.00 500	5.00	20.0	50.0	200
Camphene, Total	CBZ	Ave	1053 662720	4761	28542	63302	268340	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromobenzene	DCB	Ave	6095 2223359	26556	97063	236800	965922	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	4260 1849826	21108	78378	191177	780434	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCB	Ave	16944 5910289	90808	396362	954765	3348644	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	1704 706604	8050	28421	70886	283332	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	14269 4602815	67089	264497	634289	2351605	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	13371 4816719	70693	292929	704977	2622433	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	13190 4317994	61817	241881	580241	2191954	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	Ave	3410 2034953	20878	87012	213131	872152	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	9917 4595673	58740	263958	625709	2344923	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	13368 4843700	74038	299881	717674	2612949	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	Ave	12946 5481970	74291	369423	874973	3067253	1.00 500	5.00	20.0	50.0	200
p-Isopropyltoluene	DCB	Ave	12285 5027680	73488	338533	803952	2858896	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	10248 3480133	48412	181516	432917	1688684	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	11213 3463503	49552	181358	434987	1685309	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	Ave	5257 3573242	30458	154711	385098	1655657	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	12506 5664003	71539	341154	812051	3029611	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	10202 3286695	45896	166881	402156	1573269	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	731 405296	3665	15579	38941	166932	1.00 500	5.00	20.0	50.0	200
Camphor	DCB	Ave	2608 1103023	12783	55046	118454	423603	5.00 2500	25.0	100	250	1000
1,2,4-Trichlorobenzene	DCB	Ave	6067 2605592	31970	126462	296987	1194010	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	3064 1574579	14922	76271	177960	705211	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 252857

SDG No.: _____

Instrument ID: CVOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/01/2014 03:01 Calibration End Date: 10/01/2014 06:06 Calibration ID: 43093

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Naphthalene	DCB	Ave	13789 5087640	65864	265461	646756	2522176	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	Ave	5358 2248886	27317	110630	260701	1008236	1.00 500	5.00	20.0	50.0	200
Dibromofluoromethane (Surr)	FB	Ave	139058 153415	155848	148715	153225	143377	50.0 50.0	50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	170348 182272	191759	182635	181497	165978	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	558881 585907	606641	587797	589979	554453	50.0 50.0	50.0	50.0	50.0	50.0
Bromofluorobenzene	DCB	Ave	224041 244418	245169	234038	232168	222296	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0070.D
 Lims ID: STD20
 Client ID:
 Sample Type: ICIS Calib Level: 3
 Inject. Date: 01-Oct-2014 03:01:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD20
 Misc. Info.: 460-0018754-002
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Sublist: chrom-8260W_3*sub10
 Method: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 02-Oct-2014 01:38:34 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: kluseys

Date: 02-Oct-2014 01:37:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	66	1.488	1.488	0.000	93	3813	NC	NC	
1 Dichlorodifluoromethane	85	1.519	1.519	0.000	99	86706	20.0	20.4	
2 Chloromethane	50	1.738	1.738	0.000	98	60268	20.0	19.7	
4 Vinyl chloride	62	1.786	1.786	0.000	98	61010	20.0	19.5	
149 Butadiene	54	1.811	1.811	0.000	93	53650	NC	NC	
6 Bromomethane	94	2.054	2.054	0.000	96	13087	20.0	16.5	
7 Chloroethane	64	2.145	2.145	0.000	99	41100	20.0	21.0	
9 Dichlorofluoromethane	67	2.340	2.340	0.000	98	112054	NC	NC	
8 Trichlorofluoromethane	101	2.346	2.346	0.000	98	113184	20.0	19.7	
10 Pentane	72	2.389	2.389	0.000	94	25641	40.0	46.0	
11 Ethanol	46	2.559	2.559	0.000	100	17163	1000.0	971.1	
13 Ethyl ether	59	2.595	2.595	0.000	94	48131	20.0	18.8	
14 2-Methyl-1,3-butadiene	67	2.614	2.614	0.000	92	101154	20.0	19.9	
15 1,2-Dichloro-1,1,2-trifluo	67	2.644	2.644	0.000	91	67641	NC	NC	
16 1,1,2-Trichloro-1,2,2-trif	101	2.766	2.766	0.000	95	69048	20.0	23.2	
17 Acrolein	56	2.784	2.784	0.000	96	14203	40.0	33.5	
18 1,1-Dichloroethene	96	2.808	2.808	0.000	97	61335	20.0	19.5	
19 Acetone	43	2.912	2.912	0.000	86	109002	100.0	73.8	
20 Iodomethane	142	2.966	2.966	0.000	99	17126	20.0	10.7	
34 Isopropyl alcohol	45	3.003	3.003	0.000	52	42302	200.0	193.6	
21 Carbon disulfide	76	3.003	3.003	0.000	99	152000	20.0	18.6	
147 3-Chloro-1-propene	76	3.155	3.155	0.000	26	29823	20.0	20.7	
22 Cyclopentene	67	3.161	3.161	0.000	89	174027	NC	NC	
23 Methyl acetate	43	3.161	3.161	0.000	99	286438	100.0	101.8	
24 Acetonitrile	41	3.222	3.222	0.000	98	107925	200.0	197.3	
* 151 TBA-d9 (IS)	65	3.271	3.271	0.000	93	384777	1000.0	1000.0	
25 Methylene Chloride	84	3.283	3.283	0.000	89	63424	20.0	18.8	
26 2-Methyl-2-propanol	59	3.344	3.344	0.000	99	79597	200.0	188.7	
27 Methyl tert-butyl ether	73	3.453	3.453	0.000	96	189764	20.0	19.7	
29 trans-1,2-Dichloroethene	96	3.484	3.484	0.000	92	67465	20.0	19.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Acrylonitrile	53	3.569	3.569	0.000	93	264385	200.0	202.2	
32 Hexane	43	3.654	3.654	0.000	91	59258	20.0	21.8	
35 Isopropyl ether	45	3.885	3.885	0.000	95	184329	20.0	20.0	
36 1,1-Dichloroethane	63	3.922	3.922	0.000	99	110296	20.0	19.5	
37 Vinyl acetate	43	3.940	3.940	0.000	99	197972	40.0	36.6	
38 Allyl alcohol	57	3.946	3.946	0.000	40	31542	500.0	524.0	
33 2-Chloro-1,3-butadiene	88	3.970	3.970	0.000	92	60358	NC	NC	
40 Tert-butyl ethyl ether	59	4.238	4.238	0.000	90	188298	NC	NC	
41 2,2-Dichloropropane	77	4.469	4.469	0.000	95	103789	20.0	21.2	
42 cis-1,2-Dichloroethene	96	4.500	4.500	0.000	93	73225	20.0	19.4	
43 2-Butanone (MEK)	72	4.524	4.524	0.000	98	45974	100.0	92.1	
44 Ethyl acetate	70	4.530	4.530	0.000	94	13628	40.0	41.5	
39 Methyl acrylate	55	4.591	4.591	0.000	100	62410	NC	NC	
48 Propionitrile	54	4.682	4.682	0.000	98	109173	NC	NC	
45 Tetrahydrofuran	42	4.743	4.743	0.000	80	43474	40.0	36.4	
46 Chlorobromomethane	128	4.755	4.755	0.000	81	31045	20.0	18.7	
31 Methacrylonitrile	67	4.792	4.792	0.000	92	295443	NC	NC	
47 Chloroform	83	4.810	4.810	0.000	99	115744	20.0	19.6	
49 Cyclohexane	56	4.950	4.950	0.000	89	110491	20.0	24.0	
50 1,1,1-Trichloroethane	97	4.974	4.974	0.000	97	110310	20.0	20.4	
\$ 152 Dibromofluoromethane (Surr	113	4.992	4.992	0.000	96	148715	50.0	49.6	
51 Carbon tetrachloride	117	5.102	5.102	0.000	97	94012	20.0	20.7	
52 1,1-Dichloropropene	75	5.144	5.144	0.000	94	85773	20.0	19.9	
56 Isobutyl alcohol	43	5.296	5.296	0.000	94	92178	NC	NC	
53 Benzene	78	5.370	5.370	0.000	95	257635	20.0	19.8	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.394	5.394	0.000	94	182635	50.0	50.7	
142 Tert-amyl methyl ether	73	5.449	5.449	0.000	96	186024	NC	NC	
57 Isopropyl acetate	43	5.455	5.455	0.000	97	183783	20.0	19.9	
55 1,2-Dichloroethane	62	5.479	5.479	0.000	96	87828	20.0	19.3	
58 n-Heptane	57	5.558	5.558	0.000	90	51753	20.0	21.9	
* 59 Fluorobenzene	96	5.710	5.710	0.000	99	602693	50.0	50.0	
64 Ethyl acrylate	55	5.960	5.960	0.000	52	98620	20.0	25.1	
60 2,4,4-Trimethyl-1-pentene	57	5.960	5.960	0.000	92	335169	NC	NC	
62 n-Butanol	56	6.075	6.075	0.000	90	48344	500.0	529.5	
61 Trichloroethene	95	6.112	6.112	0.000	95	71195	20.0	19.2	
63 Methylcyclohexane	83	6.246	6.246	0.000	94	121941	20.0	22.7	
65 1,2-Dichloropropane	63	6.428	6.428	0.000	84	59646	20.0	19.4	
* 150 1,4-Dioxane-d8	96	6.489	6.489	0.000	96	42596	1000.0	1000.0	
66 Methyl methacrylate	100	6.519	6.519	0.000	87	47074	40.0	39.9	
67 1,4-Dioxane	88	6.544	6.544	0.000	84	19199	400.0	404.2	
68 Dibromomethane	93	6.556	6.556	0.000	89	41135	20.0	21.0	
69 n-Propyl acetate	43	6.580	6.580	0.000	98	101024	20.0	19.7	
70 Dichlorobromomethane	83	6.708	6.708	0.000	99	79548	20.0	19.6	
71 2-Nitropropane	41	7.036	7.036	0.000	84	39756	NC	NC	
72 2-Chloroethyl vinyl ether	63	7.036	7.036	0.000	67	37005	20.0	20.7	
73 Epichlorohydrin	57	7.122	7.122	0.000	99	127478	400.0	421.2	
74 cis-1,3-Dichloropropene	75	7.170	7.170	0.000	94	100659	20.0	20.3	
75 4-Methyl-2-pentanone (MIBK	43	7.316	7.316	0.000	96	331958	100.0	104.3	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	100	587797	50.0	50.2	
77 Toluene	91	7.438	7.438	0.000	93	297428	20.0	19.5	
78 trans-1,3-Dichloropropene	75	7.718	7.718	0.000	98	83692	20.0	19.9	
82 Ethyl methacrylate	69	7.742	7.742	0.000	91	82402	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
79 1,1,2-Trichloroethane	83	7.876	7.876	0.000	94	49678	20.0	19.6	
80 Tetrachloroethene	166	7.906	7.906	0.000	95	97554	20.0	20.6	
81 1,3-Dichloropropane	76	8.034	8.034	0.000	93	98063	20.0	19.4	
83 2-Hexanone	43	8.077	8.077	0.000	96	241983	100.0	98.9	
85 n-Butyl acetate	73	8.162	8.162	0.000	98	14301	20.0	18.3	
84 Chlorodibromomethane	129	8.198	8.198	0.000	98	65539	20.0	19.5	
86 Ethylene Dibromide	107	8.308	8.308	0.000	99	65880	20.0	19.4	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	85	482846	50.0	50.0	
88 Chlorobenzene	112	8.691	8.691	0.000	96	200230	20.0	19.8	
89 Ethylbenzene	106	8.752	8.752	0.000	98	108858	20.0	20.1	
90 1,1,1,2-Tetrachloroethane	131	8.764	8.764	0.000	93	70895	20.0	20.0	
91 m-Xylene & p-Xylene	106	8.849	8.849	0.000	99	137516	20.0	20.5	
93 n-Butyl acrylate	73	9.141	9.141	0.000	97	45729	20.0	19.9	
92 o-Xylene	106	9.172	9.172	0.000	94	128174	20.0	19.8	
94 Styrene	104	9.196	9.196	0.000	97	220236	20.0	20.4	
96 Amyl acetate (mixed isomer	43	9.318	9.318	0.000	92	108773	20.0	20.4	
97 Bromoform	173	9.360	9.360	0.000	98	46867	20.0	18.2	
98 Isopropylbenzene	105	9.445	9.445	0.000	96	348041	20.0	22.5	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	97	234038	50.0	49.5	
95 Camphene	41	9.616	9.616	0.000	93	28542	20.0	23.0	
100 Bromobenzene	156	9.713	9.713	0.000	89	97063	20.0	19.0	
101 1,1,2,2-Tetrachloroethane	83	9.731	9.731	0.000	97	78378	20.0	19.5	
102 N-Propylbenzene	91	9.756	9.756	0.000	99	396362	20.0	22.9	
103 1,2,3-Trichloropropane	110	9.774	9.774	0.000	96	28421	20.0	18.7	
104 trans-1,4-Dichloro-2-buten	53	9.780	9.780	0.000	88	25548	NC	NC	
143 4-Ethyltoluene	105	9.841	9.841	0.000	98	355446	NC	NC	
105 2-Chlorotoluene	91	9.841	9.841	0.000	95	264497	20.0	21.0	
106 1,3,5-Trimethylbenzene	105	9.890	9.890	0.000	94	292929	20.0	22.0	
107 4-Chlorotoluene	91	9.932	9.932	0.000	97	241881	20.0	20.8	
108 Butyl Methacrylate	87	9.950	9.950	0.000	92	87012	20.0	21.0	
109 tert-Butylbenzene	119	10.121	10.121	0.000	95	263958	20.0	22.9	
110 1,2,4-Trimethylbenzene	105	10.169	10.169	0.000	97	299881	20.0	22.2	
113 sec-Butylbenzene	105	10.279	10.279	0.000	99	369423	20.0	24.3	
114 4-Isopropyltoluene	119	10.382	10.382	0.000	98	338533	20.0	23.8	
115 1,3-Dichlorobenzene	146	10.395	10.395	0.000	98	181516	20.0	20.3	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	93	284696	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.468	10.468	0.000	96	181358	20.0	19.8	
118 Benzyl chloride	91	10.571	10.571	0.000	99	154711	20.0	21.7	
119 2,3-Dihydroindene	117	10.626	10.626	0.000	95	289796	NC	NC	
133 p-Diethylbenzene	119	10.656	10.656	0.000	95	204815	NC	NC	
120 n-Butylbenzene	91	10.674	10.674	0.000	97	341154	20.0	23.4	
121 1,2-Dichlorobenzene	146	10.735	10.735	0.000	97	166881	20.0	19.7	
132 1,2,4,5-Tetramethylbenzene	119	11.216	11.216	0.000	98	293862	NC	NC	
122 1,2-Dibromo-3-Chloropropan	75	11.307	11.307	0.000	94	15579	20.0	19.8	
145 1,3,5-Trichlorobenzene	180	11.417	11.417	0.000	97	145498	NC	NC	
123 Camphor	95	11.861	11.861	0.000	91	55046	100.0	111.8	
124 1,2,4-Trichlorobenzene	180	11.934	11.934	0.000	93	126462	20.0	20.9	
126 Hexachlorobutadiene	225	12.025	12.025	0.000	98	76271	20.0	22.5	
127 Naphthalene	128	12.177	12.177	0.000	99	265461	20.0	20.7	
128 1,2,3-Trichlorobenzene	180	12.396	12.396	0.000	96	110630	20.0	21.1	
S 130 1,2-Dichloroethene, Total	100				0			38.5	
S 131 Xylenes, Total	100				0		40.0	40.3	

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

S 139 Total BTEX

1

0

99.8

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

GAS Hi_00068

Amount Added: 2.00

Units: uL

MIX 1 Hi_00030

Amount Added: 2.00

Units: uL

MIX 2 Hi_00022

Amount Added: 2.00

Units: uL

8260 MIX3 HI_00006

Amount Added: 2.00

Units: uL

ACROLEIN W_00025

Amount Added: 4.00

Units: uL

8260ISSUR50_00006

Amount Added: 5.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0070.D

Injection Date: 01-Oct-2014 03:01:30

Instrument ID: CVOAMS3

Operator ID: VOA GC/MS3

Lims ID: STD20

Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL

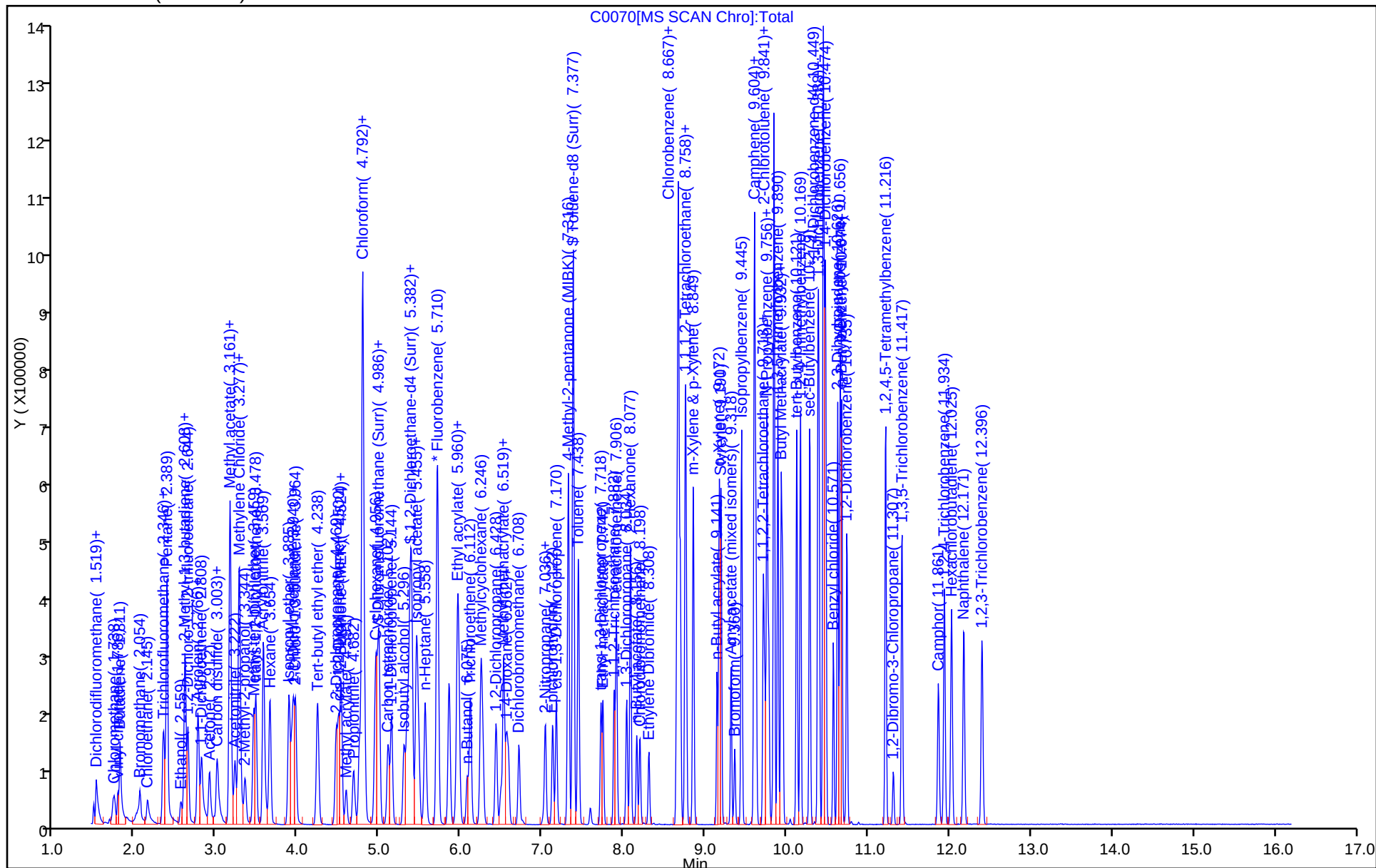
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: 8260W_3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0073.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 01-Oct-2014 04:29:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD1
 Misc. Info.: 460-0018754-005
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Sublist: chrom-8260W_3*sub10
 Method: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 02-Oct-2014 01:38:37 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: desais

Date: 01-Oct-2014 06:50:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	66	1.482	1.488	-0.006	1	153	NC	NC	
1 Dichlorodifluoromethane	85	1.519	1.519	0.000	98	4565	1.00	1.12	
2 Chloromethane	50	1.744	1.738	0.006	97	3800	1.00	1.29	
4 Vinyl chloride	62	1.786	1.786	0.000	97	3601	1.00	1.20	
149 Butadiene	54	1.811	1.811	0.000	94	2802	NC	NC	
6 Bromomethane	94	2.048	2.054	-0.006	26	777	1.00	1.07	
7 Chloroethane	64	2.158	2.145	0.013	63	1760	1.00	0.9341	
9 Dichlorofluoromethane	67	2.340	2.340	0.000	95	6850	NC	NC	
8 Trichlorofluoromethane	101	2.346	2.346	0.000	76	6224	1.00	1.13	
10 Pentane	72	2.389	2.389	0.000	94	1201	2.00	2.24	
11 Ethanol	46	2.553	2.559	-0.006	76	1097	50.0	67.6	
13 Ethyl ether	59	2.596	2.595	0.001	91	2964	1.00	1.20	
14 2-Methyl-1,3-butadiene	67	2.608	2.614	-0.006	91	5174	1.00	1.06	
15 1,2-Dichloro-1,1,2-trifluo	67	2.644	2.644	0.000	86	4357	NC	NC	
16 1,1,2-Trichloro-1,2,2-trif	101	2.766	2.766	0.000	95	2735	1.00	0.9546	
17 Acrolein	56	2.778	2.784	-0.006	93	1537	4.00	3.77	
18 1,1-Dichloroethene	96	2.808	2.808	0.000	98	3595	1.00	1.19	
19 Acetone	43	2.906	2.912	-0.006	87	9533	5.00	6.72	
20 Iodomethane	142	2.973	2.966	0.007	52	379	1.00	0.2474	
34 Isopropyl alcohol	45	3.003	3.003	0.000	35	2149	10.0	10.7	
21 Carbon disulfide	76	3.003	3.003	0.000	99	7957	1.00	1.02	
147 3-Chloro-1-propene	76	3.149	3.155	-0.006	38	1390	1.00	1.01	
22 Cyclopentene	67	3.161	3.161	0.000	74	8598	NC	NC	
23 Methyl acetate	43	3.161	3.161	0.000	98	15498	5.00	5.73	
24 Acetonitrile	41	3.228	3.222	0.006	91	6206	10.0	11.8	
* 151 TBA-d9 (IS)	65	3.271	3.271	0.000	88	353316	1000.0	1000.0	
25 Methylene Chloride	84	3.289	3.283	0.006	29	3723	1.00	1.15	
26 2-Methyl-2-propanol	59	3.344	3.344	0.000	97	5257	10.0	13.6	
27 Methyl tert-butyl ether	73	3.453	3.453	0.000	97	10391	1.00	1.12	
29 trans-1,2-Dichloroethene	96	3.484	3.484	0.000	93	3952	1.00	1.17	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Acrylonitrile	53	3.575	3.569	0.006	93	14242	10.0	11.3	
32 Hexane	43	3.648	3.654	-0.006	87	1077	1.00	0.4133	
35 Isopropyl ether	45	3.879	3.885	-0.006	95	10478	1.00	1.18	
36 1,1-Dichloroethane	63	3.922	3.922	0.000	98	6127	1.00	1.13	
37 Vinyl acetate	43	3.940	3.940	0.000	99	11331	2.00	2.18	
38 Allyl alcohol	57	3.964	3.946	0.018	1	1214	25.0	22.0	
33 2-Chloro-1,3-butadiene	88	3.970	3.970	0.000	91	3155	NC	NC	
40 Tert-butyl ethyl ether	59	4.238	4.238	0.000	90	10064	NC	NC	
41 2,2-Dichloropropane	77	4.463	4.469	-0.006	93	5429	1.00	1.15	
42 cis-1,2-Dichloroethene	96	4.500	4.500	0.000	93	4118	1.00	1.13	
43 2-Butanone (MEK)	72	4.524	4.524	0.000	97	2703	5.00	5.90	
44 Ethyl acetate	70	4.536	4.530	0.006	92	554	2.00	1.76	
39 Methyl acrylate	55	4.585	4.591	-0.006	96	3289	NC	NC	
48 Propionitrile	54	4.682	4.682	0.000	99	6418	NC	NC	
45 Tetrahydrofuran	42	4.743	4.743	0.000	84	2791	2.00	2.43	
46 Chlorobromomethane	128	4.761	4.755	0.006	77	1682	1.00	1.05	
31 Methacrylonitrile	67	4.792	4.792	0.000	91	16334	NC	NC	
47 Chloroform	83	4.810	4.810	0.000	97	6463	1.00	1.14	
49 Cyclohexane	56	4.938	4.950	-0.012	88	3920	1.00	0.8853	
50 1,1,1-Trichloroethane	97	4.974	4.974	0.000	97	5676	1.00	1.09	
\$ 152 Dibromofluoromethane (Surr	113	4.992	4.992	0.000	93	139058	50.0	48.3	
51 Carbon tetrachloride	117	5.096	5.102	-0.006	93	4471	1.00	1.03	
52 1,1-Dichloropropene	75	5.138	5.144	-0.006	95	5057	1.00	1.22	
56 Isobutyl alcohol	43	5.297	5.296	0.001	96	4484	NC	NC	
53 Benzene	78	5.370	5.370	0.000	96	15601	1.00	1.25	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.394	5.394	0.000	89	170348	50.0	49.2	
142 Tert-amyl methyl ether	73	5.449	5.449	0.000	76	10685	NC	NC	
57 Isopropyl acetate	43	5.455	5.455	0.000	93	10093	1.00	1.14	
55 1,2-Dichloroethane	62	5.479	5.479	0.000	97	4996	1.00	1.14	
58 n-Heptane	57	5.564	5.558	0.006	27	572	1.00	0.2521	M
* 59 Fluorobenzene	96	5.704	5.710	-0.006	99	578987	50.0	50.0	
64 Ethyl acrylate	55	5.966	5.960	0.006	51	2596	1.00	0.6886	
60 2,4,4-Trimethyl-1-pentene	57	5.960	5.960	0.000	91	9613	NC	NC	
62 n-Butanol	56	6.075	6.075	0.000	69	1775	25.0	21.2	
61 Trichloroethene	95	6.112	6.112	0.000	94	4274	1.00	1.20	
63 Methylcyclohexane	83	6.246	6.246	0.000	74	2184	1.00	0.4238	
65 1,2-Dichloropropane	63	6.422	6.428	-0.006	82	3473	1.00	1.18	
* 150 1,4-Dioxane-d8	96	6.489	6.489	0.000	98	39387	1000.0	1000.0	
66 Methyl methacrylate	100	6.526	6.519	0.007	92	2253	2.00	1.99	
67 1,4-Dioxane	88	6.538	6.544	-0.006	41	2354	50.0	53.6	
68 Dibromomethane	93	6.556	6.556	0.000	89	2224	1.00	1.18	
69 n-Propyl acetate	43	6.580	6.580	0.000	97	5229	1.00	1.06	
70 Dichlorobromomethane	83	6.702	6.708	-0.006	94	3707	1.00	0.9514	
71 2-Nitropropane	41	7.030	7.036	-0.006	80	1570	NC	NC	
72 2-Chloroethyl vinyl ether	63	7.030	7.036	-0.006	79	1840	1.00	1.07	
73 Epichlorohydrin	57	7.122	7.122	0.000	98	5981	20.0	20.7	
74 cis-1,3-Dichloropropene	75	7.164	7.170	-0.006	95	4679	1.00	0.9879	
75 4-Methyl-2-pentanone (MIBK	43	7.316	7.316	0.000	95	17126	5.00	5.64	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	100	558881	50.0	50.0	
77 Toluene	91	7.438	7.438	0.000	94	21615	1.00	1.49	
78 trans-1,3-Dichloropropene	75	7.712	7.718	-0.006	98	3756	1.00	0.9347	
82 Ethyl methacrylate	69	7.742	7.742	0.000	91	3878	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
79 1,1,2-Trichloroethane	83	7.876	7.876	0.000	91	2670	1.00	1.10	
80 Tetrachloroethene	166	7.913	7.906	0.007	95	5159	1.00	1.14	
81 1,3-Dichloropropane	76	8.034	8.034	0.000	93	5909	1.00	1.22	
83 2-Hexanone	43	8.077	8.077	0.000	97	13601	5.00	5.83	
85 n-Butyl acetate	73	8.156	8.162	-0.006	95	837	1.00	1.12	
84 Chlorodibromomethane	129	8.192	8.198	-0.006	95	2670	1.00	0.8334	
86 Ethylene Dibromide	107	8.308	8.308	0.000	94	3493	1.00	1.08	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	85	460782	50.0	50.0	
88 Chlorobenzene	112	8.691	8.691	0.000	95	12855	1.00	1.33	
89 Ethylbenzene	106	8.752	8.752	0.000	98	6189	1.00	1.20	
90 1,1,1,2-Tetrachloroethane	131	8.764	8.764	0.000	91	3304	1.00	0.9776	
91 m-Xylene & p-Xylene	106	8.849	8.849	0.000	99	7264	1.00	1.14	
93 n-Butyl acrylate	73	9.141	9.141	0.000	97	1938	1.00	0.8837	
92 o-Xylene	106	9.172	9.172	0.000	93	7505	1.00	1.21	
94 Styrene	104	9.190	9.196	-0.006	98	12132	1.00	1.17	
96 Amyl acetate (mixed isomer	43	9.318	9.318	0.000	93	4840	1.00	0.9591	
97 Bromoform	173	9.354	9.360	-0.006	92	1882	1.00	0.7670	
98 Isopropylbenzene	105	9.446	9.445	0.001	96	15793	1.00	1.07	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	96	224041	50.0	50.0	
95 Camphene	41	9.610	9.616	-0.006	88	1053	1.00	0.8883	
100 Bromobenzene	156	9.713	9.713	0.000	90	6095	1.00	1.26	
101 1,1,2,2-Tetrachloroethane	83	9.732	9.731	0.001	94	4260	1.00	1.12	
102 N-Propylbenzene	91	9.756	9.756	0.000	99	16944	1.00	1.03	
103 1,2,3-Trichloropropane	110	9.774	9.774	0.000	93	1704	1.00	1.19	
104 trans-1,4-Dichloro-2-buten	53	9.780	9.780	0.000	79	1253	NC	NC	
143 4-Ethyltoluene	105	9.841	9.841	0.000	90	18423	NC	NC	
105 2-Chlorotoluene	91	9.841	9.841	0.000	93	14269	1.00	1.20	
106 1,3,5-Trimethylbenzene	105	9.890	9.890	0.000	92	13371	1.00	1.06	
107 4-Chlorotoluene	91	9.932	9.932	0.000	97	13190	1.00	1.20	
108 Butyl Methacrylate	87	9.951	9.950	0.001	90	3410	1.00	0.8659	
109 tert-Butylbenzene	119	10.121	10.121	0.000	93	9917	1.00	0.9083	
110 1,2,4-Trimethylbenzene	105	10.170	10.169	0.001	97	13368	1.00	1.04	
113 sec-Butylbenzene	105	10.279	10.279	0.000	98	12946	1.00	0.8989	
114 4-Isopropyltoluene	119	10.383	10.382	0.000	98	12285	1.00	0.9113	
115 1,3-Dichlorobenzene	146	10.395	10.395	0.000	97	10248	1.00	1.21	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	94	269995	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.468	10.468	0.000	91	11213	1.00	1.29	
118 Benzyl chloride	91	10.571	10.571	0.000	99	5257	1.00	0.7776	
119 2,3-Dihydroindene	117	10.626	10.626	0.000	94	15667	NC	NC	
133 p-Diethylbenzene	119	10.656	10.656	0.000	93	9541	NC	NC	
120 n-Butylbenzene	91	10.675	10.674	0.000	97	12506	1.00	0.9030	
121 1,2-Dichlorobenzene	146	10.735	10.735	0.000	97	10202	1.00	1.27	
132 1,2,4,5-Tetramethylbenzene	119	11.210	11.216	-0.006	99	12739	NC	NC	
122 1,2-Dibromo-3-Chloropropan	75	11.307	11.307	0.000	85	731	1.00	0.9780	
145 1,3,5-Trichlorobenzene	180	11.411	11.417	-0.006	97	7921	NC	NC	
123 Camphor	95	11.861	11.861	0.000	89	2608	5.00	5.58	
124 1,2,4-Trichlorobenzene	180	11.934	11.934	0.000	94	6067	1.00	1.06	
126 Hexachlorobutadiene	225	12.025	12.025	0.000	96	3064	1.00	0.9520	
127 Naphthalene	128	12.171	12.177	-0.006	99	13789	1.00	1.13	
128 1,2,3-Trichlorobenzene	180	12.402	12.396	0.006	92	5358	1.00	1.08	
S 130 1,2-Dichloroethene, Total	100				0			2.30	
S 131 Xylenes, Total	100				0		2.00	2.35	

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

S 139 Total BTEX

1

0

6.29

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00068

Amount Added: 1.00

Units: uL

MIX 1 Hi_00030

Amount Added: 1.00

Units: uL

MIX 2 Hi_00022

Amount Added: 1.00

Units: uL

8260 MIX3 HI_00006

Amount Added: 1.00

Units: uL

14DIOXINTER_00021

Amount Added: 30.00

Units: uL

ACROLEIN W_00025

Amount Added: 4.00

Units: uL

8260ISSUR50_00006

Amount Added: 5.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0073.D

Injection Date: 01-Oct-2014 04:29:30

Instrument ID: CVOAMS3

Operator ID: VOA GC/MS3

Lims ID: STD1

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

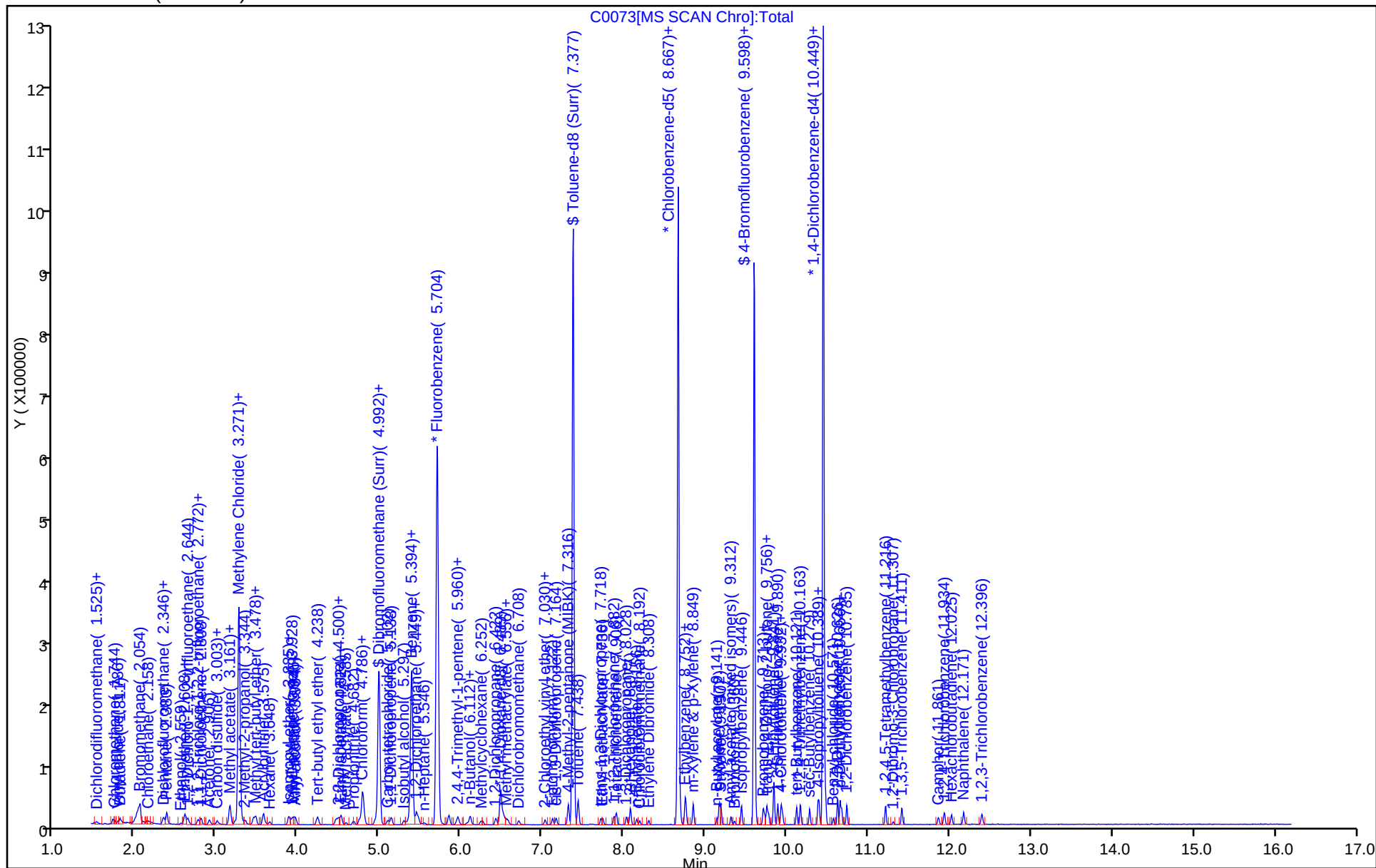
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260W_3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



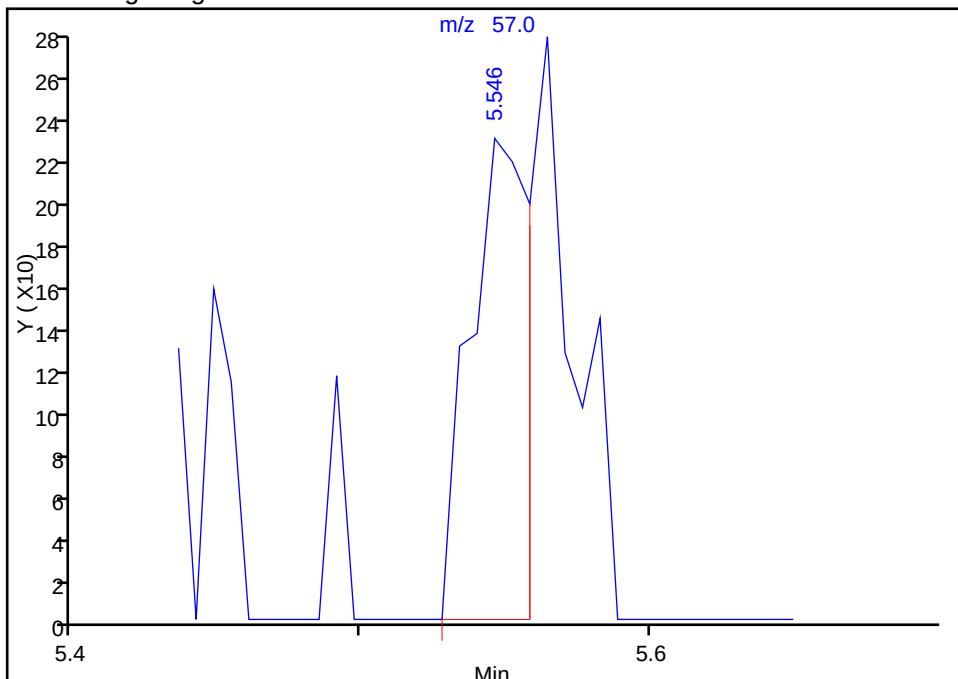
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0073.D		
Injection Date:	01-Oct-2014 04:29:30	Instrument ID:	CVOAMS3
Lims ID:	STD1		
Client ID:			
Operator ID:	VOA GC/MS3	ALS Bottle#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_3	Limit Group:	VOA 624 ICAL
Column:	Rtx-624 (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

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

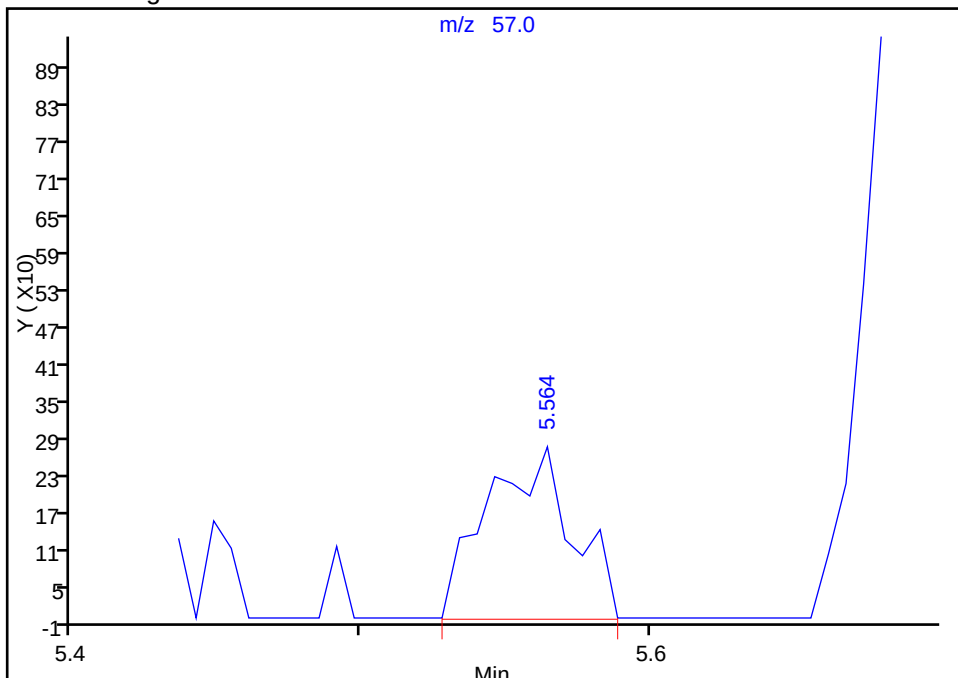
RT: 5.55
Response: 330
Amount: 3.006774

Processing Integration Results



RT: 5.56
Response: 572
Amount: 0.252146

Manual Integration Results



Reviewer: desais, 01-Oct-2014 06:50:12
Audit Action: Manually Integrated
Audit Reason: Peak Not Integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CVOAMS3\20141001-18754.b\C0074.D
 Lims ID: STD5
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 01-Oct-2014 04:53:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD5
 Misc. Info.: 460-0018754-006
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Sublist: chrom-8260W_3*sub10
 Method: \\EDICHRON\ChromData\CVOAMS3\20141001-18754.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 02-Oct-2014 01:38:40 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHRON\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: desais

Date: 01-Oct-2014 06:51:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	66	1.482	1.488	-0.006	88	640	NC	NC	
1 Dichlorodifluoromethane	85	1.519	1.519	0.000	99	21516	5.00	4.85	
2 Chloromethane	50	1.738	1.738	0.000	99	15308	5.00	4.79	
4 Vinyl chloride	62	1.786	1.786	0.000	98	14935	5.00	4.56	
149 Butadiene	54	1.811	1.811	0.000	97	12142	NC	NC	
6 Bromomethane	94	2.054	2.054	0.000	89	3009	5.00	3.80	
7 Chloroethane	64	2.151	2.145	0.006	98	12127	5.00	5.91	
9 Dichlorofluoromethane	67	2.340	2.340	0.000	98	29165	NC	NC	
8 Trichlorofluoromethane	101	2.352	2.346	0.006	97	27608	5.00	4.60	
10 Pentane	72	2.389	2.389	0.000	96	3948	10.0	6.78	
11 Ethanol	46	2.559	2.559	0.000	99	4223	250.0	239.2	
13 Ethyl ether	59	2.595	2.595	0.000	94	13321	5.00	4.96	
14 2-Methyl-1,3-butadiene	67	2.614	2.614	0.000	82	19500	5.00	3.67	
15 1,2-Dichloro-1,1,2-trifluo	67	2.644	2.644	0.000	77	15462	NC	NC	
16 1,1,2-Trichloro-1,2,2-trif	101	2.766	2.766	0.000	93	8328	5.00	2.67	
17 Acrolein	56	2.778	2.784	-0.006	88	8075	20.0	18.2	
18 1,1-Dichloroethene	96	2.808	2.808	0.000	98	13345	5.00	4.06	
19 Acetone	43	2.906	2.912	-0.006	86	41809	25.0	27.1	
20 Iodomethane	142	2.960	2.966	-0.006	94	2134	5.00	1.28	
34 Isopropyl alcohol	45	3.003	3.003	0.000	52	10792	50.0	49.4	
21 Carbon disulfide	76	3.003	3.003	0.000	100	32091	5.00	3.76	
147 3-Chloro-1-propene	76	3.149	3.155	-0.006	33	7720	5.00	5.13	
22 Cyclopentene	67	3.161	3.161	0.000	71	34414	NC	NC	
23 Methyl acetate	43	3.161	3.161	0.000	98	74751	25.0	25.4	
24 Acetonitrile	41	3.222	3.222	0.000	99	27503	50.0	48.1	
* 151 TBA-d9 (IS)	65	3.271	3.271	0.000	89	384407	1000.0	1000.0	
25 Methylene Chloride	84	3.283	3.283	0.000	89	17580	5.00	4.98	
26 2-Methyl-2-propanol	59	3.344	3.344	0.000	98	22147	50.0	52.5	
27 Methyl tert-butyl ether	73	3.447	3.453	-0.006	96	51151	5.00	5.07	
29 trans-1,2-Dichloroethene	96	3.484	3.484	0.000	91	17427	5.00	4.74	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Acrylonitrile	53	3.575	3.569	0.006	93	68589	50.0	50.2	
32 Hexane	43	3.648	3.654	-0.006	92	4639	5.00	1.64	
35 Isopropyl ether	45	3.885	3.885	0.000	94	47046	5.00	4.87	
36 1,1-Dichloroethane	63	3.915	3.922	-0.007	99	28907	5.00	4.90	
37 Vinyl acetate	43	3.940	3.940	0.000	99	60860	10.0	10.7	
38 Allyl alcohol	57	3.952	3.946	0.006	39	7274	125.0	120.9	
33 2-Chloro-1,3-butadiene	88	3.964	3.970	-0.006	92	13878	NC	NC	
40 Tert-butyl ethyl ether	59	4.238	4.238	0.000	91	49472	NC	NC	
41 2,2-Dichloropropane	77	4.463	4.469	-0.006	96	23748	5.00	4.64	
42 cis-1,2-Dichloroethene	96	4.493	4.500	-0.007	91	19325	5.00	4.88	
43 2-Butanone (MEK)	72	4.524	4.524	0.000	98	13507	25.0	27.1	
44 Ethyl acetate	70	4.530	4.530	0.000	93	3226	10.0	9.40	
39 Methyl acrylate	55	4.585	4.591	-0.006	99	15736	NC	NC	
48 Propionitrile	54	4.676	4.682	-0.006	98	27981	NC	NC	
45 Tetrahydrofuran	42	4.749	4.743	0.006	88	13044	10.0	10.4	
46 Chlorobromomethane	128	4.761	4.755	0.006	80	8704	5.00	5.00	
31 Methacrylonitrile	67	4.792	4.792	0.000	92	79539	NC	NC	
47 Chloroform	83	4.810	4.810	0.000	98	30879	5.00	4.99	
49 Cyclohexane	56	4.944	4.950	-0.006	90	12871	5.00	2.67	
50 1,1,1-Trichloroethane	97	4.968	4.974	-0.006	96	23756	5.00	4.20	
\$ 152 Dibromofluoromethane (Surr	113	4.986	4.992	-0.006	94	155848	50.0	49.7	
51 Carbon tetrachloride	117	5.108	5.102	0.006	94	17712	5.00	3.73	
52 1,1-Dichloropropene	75	5.144	5.144	0.000	92	18746	5.00	4.15	
56 Isobutyl alcohol	43	5.290	5.296	-0.006	96	26221	NC	NC	
53 Benzene	78	5.369	5.370	-0.001	96	68614	5.00	5.02	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.394	5.394	0.000	89	191759	50.0	50.9	
142 Tert-amyl methyl ether	73	5.449	5.449	0.000	74	47907	NC	NC	
57 Isopropyl acetate	43	5.455	5.455	0.000	91	47591	5.00	4.94	
55 1,2-Dichloroethane	62	5.479	5.479	0.000	98	24727	5.00	5.20	
58 n-Heptane	57	5.558	5.558	0.000	90	3565	5.00	1.44	
* 59 Fluorobenzene	96	5.704	5.710	-0.006	99	630291	50.0	50.0	
64 Ethyl acrylate	55	5.960	5.960	0.000	52	13968	5.00	3.40	
60 2,4,4-Trimethyl-1-pentene	57	5.960	5.960	0.000	91	45802	NC	NC	
62 n-Butanol	56	6.075	6.075	0.000	90	10656	125.0	116.8	
61 Trichloroethene	95	6.112	6.112	0.000	96	18564	5.00	4.80	
63 Methylcyclohexane	83	6.246	6.246	0.000	86	10523	5.00	1.88	
65 1,2-Dichloropropane	63	6.428	6.428	0.000	85	16160	5.00	5.04	
* 150 1,4-Dioxane-d8	96	6.483	6.489	-0.006	97	43528	1000.0	1000.0	
66 Methyl methacrylate	100	6.519	6.519	0.000	88	12571	10.0	10.2	
67 1,4-Dioxane	88	6.550	6.544	0.006	27	5229	100.0	107.7	
68 Dibromomethane	93	6.556	6.556	0.000	87	10751	5.00	5.25	
69 n-Propyl acetate	43	6.580	6.580	0.000	98	26232	5.00	4.89	
70 Dichlorobromomethane	83	6.708	6.708	0.000	98	17987	5.00	4.24	
71 2-Nitropropane	41	7.030	7.036	-0.006	81	8310	NC	NC	
72 2-Chloroethyl vinyl ether	63	7.030	7.036	-0.006	72	9474	5.00	5.07	
73 Epichlorohydrin	57	7.122	7.122	0.000	99	31335	100.0	98.7	
74 cis-1,3-Dichloropropene	75	7.170	7.170	0.000	93	24825	5.00	4.77	
75 4-Methyl-2-pentanone (MIBK	43	7.316	7.316	0.000	96	90077	25.0	27.0	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	100	606641	50.0	49.3	
77 Toluene	91	7.438	7.438	0.000	94	79952	5.00	5.01	
78 trans-1,3-Dichloropropene	75	7.718	7.718	0.000	94	20099	5.00	4.55	
82 Ethyl methacrylate	69	7.742	7.742	0.000	91	20635	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
79 1,1,2-Trichloroethane	83	7.876	7.876	0.000	94	13575	5.00	5.09	
80 Tetrachloroethene	166	7.906	7.906	0.000	94	20887	5.00	4.21	
81 1,3-Dichloropropane	76	8.028	8.034	-0.006	94	26532	5.00	5.00	
83 2-Hexanone	43	8.077	8.077	0.000	95	70291	25.0	27.4	
85 n-Butyl acetate	73	8.156	8.162	-0.006	98	3968	5.00	4.85	
84 Chlorodibromomethane	129	8.192	8.198	-0.006	97	15057	5.00	4.27	
86 Ethylene Dibromide	107	8.302	8.308	-0.006	97	18115	5.00	5.09	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	85	506647	50.0	50.0	
88 Chlorobenzene	112	8.691	8.691	0.000	96	53094	5.00	4.99	
89 Ethylbenzene	106	8.752	8.752	0.000	98	27274	5.00	4.81	
90 1,1,1,2-Tetrachloroethane	131	8.764	8.764	0.000	92	17477	5.00	4.70	
91 m-Xylene & p-Xylene	106	8.849	8.849	0.000	99	34094	5.00	4.85	
93 n-Butyl acrylate	73	9.141	9.141	0.000	97	10717	5.00	4.44	
92 o-Xylene	106	9.172	9.172	0.000	94	33939	5.00	4.99	
94 Styrene	104	9.190	9.196	-0.006	97	58092	5.00	5.12	
96 Amyl acetate (mixed isomer	43	9.312	9.318	-0.006	92	27217	5.00	4.87	
97 Bromoform	173	9.360	9.360	0.000	98	10600	5.00	3.93	
98 Isopropylbenzene	105	9.445	9.445	0.000	95	79923	5.00	4.92	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	96	245169	50.0	49.4	
95 Camphene	41	9.616	9.616	0.000	91	4761	5.00	3.65	
100 Bromobenzene	156	9.713	9.713	0.000	88	26556	5.00	4.95	
101 1,1,2,2-Tetrachloroethane	83	9.731	9.731	0.000	97	21108	5.00	5.00	
102 N-Propylbenzene	91	9.756	9.756	0.000	99	90808	5.00	5.00	
103 1,2,3-Trichloropropane	110	9.774	9.774	0.000	96	8050	5.00	5.06	
104 trans-1,4-Dichloro-2-buten	53	9.780	9.780	0.000	78	6146	NC	NC	
143 4-Ethyltoluene	105	9.841	9.841	0.000	98	86064	NC	NC	
105 2-Chlorotoluene	91	9.841	9.841	0.000	96	67089	5.00	5.08	
106 1,3,5-Trimethylbenzene	105	9.890	9.890	0.000	94	70693	5.00	5.05	
107 4-Chlorotoluene	91	9.932	9.932	0.000	97	61817	5.00	5.07	
108 Butyl Methacrylate	87	9.950	9.950	0.000	92	20878	5.00	4.79	
109 tert-Butylbenzene	119	10.121	10.121	0.000	96	58740	5.00	4.86	
110 1,2,4-Trimethylbenzene	105	10.169	10.169	0.000	97	74038	5.00	5.21	
113 sec-Butylbenzene	105	10.279	10.279	0.000	99	74291	5.00	4.66	
114 4-Isopropyltoluene	119	10.382	10.382	0.000	98	73488	5.00	4.93	
115 1,3-Dichlorobenzene	146	10.395	10.395	-0.001	98	48412	5.00	5.15	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	94	298786	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.468	10.468	0.000	95	49552	5.00	5.15	
118 Benzyl chloride	91	10.571	10.571	0.000	99	30458	5.00	4.07	
119 2,3-Dihydroindene	117	10.626	10.626	0.000	94	75231	NC	NC	
133 p-Diethylbenzene	119	10.656	10.656	0.000	95	48745	NC	NC	
120 n-Butylbenzene	91	10.674	10.674	0.000	96	71539	5.00	4.67	
121 1,2-Dichlorobenzene	146	10.735	10.735	0.000	98	45896	5.00	5.16	
132 1,2,4,5-Tetramethylbenzene	119	11.210	11.216	-0.006	98	71403	NC	NC	
122 1,2-Dibromo-3-Chloropropan	75	11.307	11.307	0.000	90	3665	5.00	4.43	
145 1,3,5-Trichlorobenzene	180	11.417	11.417	0.000	97	36026	NC	NC	
123 Camphor	95	11.861	11.861	0.000	91	12783	25.0	24.7	
124 1,2,4-Trichlorobenzene	180	11.934	11.934	0.000	94	31970	5.00	5.03	
126 Hexachlorobutadiene	225	12.025	12.025	0.000	97	14922	5.00	4.19	
127 Naphthalene	128	12.171	12.177	-0.006	99	65864	5.00	4.89	
128 1,2,3-Trichlorobenzene	180	12.396	12.396	0.000	95	27317	5.00	4.96	
S 130 1,2-Dichloroethene, Total	100				0			9.62	
S 131 Xylenes, Total	100				0		10.0	9.84	

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

S 139 Total BTEX

1

0

24.7

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ACROLEIN W_00025

Amount Added: 4.00

Units: uL

GAS Hi_00068

Amount Added: 1.00

Units: uL

MIX 1 Hi_00030

Amount Added: 1.00

Units: uL

MIX 2 Hi_00022

Amount Added: 1.00

Units: uL

8260 MIX3 HI_00006

Amount Added: 1.00

Units: uL

8260ISSUR50_00006

Amount Added: 5.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0074.D

Injection Date: 01-Oct-2014 04:53:30

Instrument ID: CVOAMS3

Operator ID: VOA GC/MS3

Lims ID: STD5

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

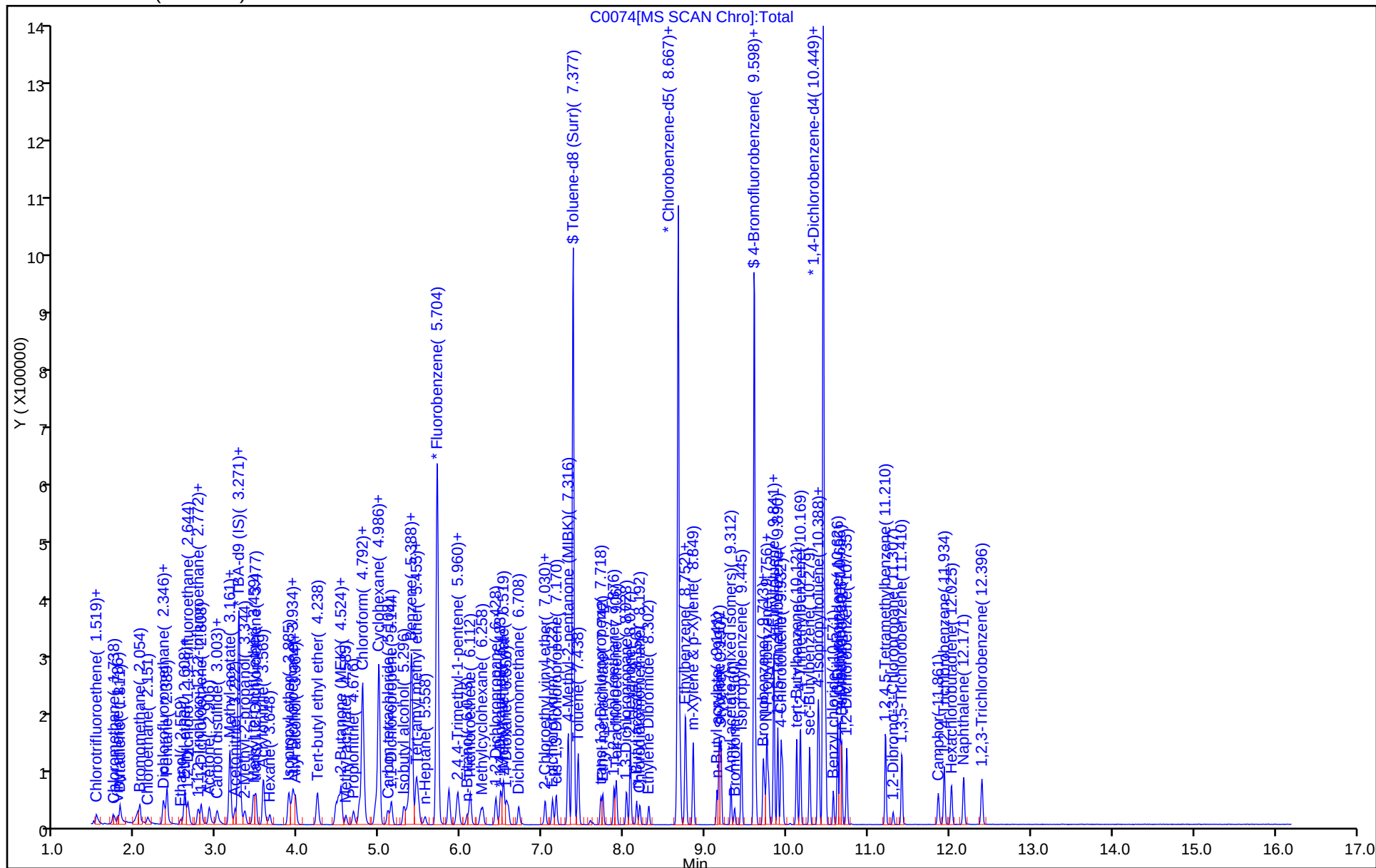
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8260W_3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0075.D
 Lims ID: STD50
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 01-Oct-2014 05:17:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD50
 Misc. Info.: 460-0018754-007
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Sublist: chrom-8260W_3*sub10
 Method: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 02-Oct-2014 01:38:43 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: desais

Date: 01-Oct-2014 06:39:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	66	1.488	1.488	0.000	87	9581	NC	NC	
1 Dichlorodifluoromethane	85	1.519	1.519	0.000	99	208181	50.0	48.7	
2 Chloromethane	50	1.731	1.731	0.000	99	146510	50.0	47.5	
4 Vinyl chloride	62	1.786	1.786	0.000	99	153120	50.0	48.5	
149 Butadiene	54	1.811	1.811	0.000	93	131188	NC	NC	
6 Bromomethane	94	2.054	2.054	0.000	97	33087	50.0	43.5	
7 Chloroethane	64	2.151	2.151	0.000	99	96362	50.0	48.7	
9 Dichlorofluoromethane	67	2.340	2.340	0.000	97	279963	NC	NC	
8 Trichlorofluoromethane	101	2.346	2.346	0.000	90	283407	50.0	48.9	
10 Pentane	72	2.388	2.388	0.000	94	54600	100.0	97.2	
11 Ethanol	46	2.559	2.559	0.000	99	36924	2500.0	2176.7	
13 Ethyl ether	59	2.595	2.595	0.000	93	119696	50.0	46.2	
14 2-Methyl-1,3-butadiene	67	2.614	2.614	0.000	94	210311	50.0	41.0	
15 1,2-Dichloro-1,1,2-trifluo	67	2.650	2.650	0.000	74	163755	NC	NC	
16 1,1,2-Trichloro-1,2,2-trif	101	2.766	2.766	0.000	96	166667	50.0	55.4	
17 Acrolein	56	2.778	2.778	0.000	96	42412	100.0	99.1	
18 1,1-Dichloroethene	96	2.808	2.808	0.000	98	153518	50.0	48.4	
19 Acetone	43	2.906	2.906	0.000	86	332195	250.0	222.8	
20 Iodomethane	142	2.966	2.966	0.000	98	58054	50.0	36.1	
34 Isopropyl alcohol	45	3.003	3.003	0.000	44	99562	500.0	474.7	
21 Carbon disulfide	76	3.003	3.003	0.000	99	415836	50.0	50.5	
147 3-Chloro-1-propene	76	3.149	3.149	0.000	42	69148	50.0	47.7	
22 Cyclopentene	67	3.161	3.161	0.000	91	385981	NC	NC	
23 Methyl acetate	43	3.161	3.161	0.000	99	656592	250.0	231.3	
24 Acetonitrile	41	3.222	3.222	0.000	98	219441	500.0	397.7	
* 151 TBA-d9 (IS)	65	3.271	3.271	0.000	97	369314	1000.0	1000.0	
25 Methylene Chloride	84	3.283	3.283	0.000	89	157097	50.0	46.2	
26 2-Methyl-2-propanol	59	3.344	3.344	0.000	99	185897	500.0	459.1	
27 Methyl tert-butyl ether	73	3.453	3.453	0.000	96	459093	50.0	47.1	
29 trans-1,2-Dichloroethene	96	3.477	3.477	0.000	92	168752	50.0	47.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Acrylonitrile	53	3.569	3.569	0.000	93	640268	500.0	485.4	
32 Hexane	43	3.654	3.654	0.000	91	141569	50.0	51.7	
35 Isopropyl ether	45	3.885	3.885	0.000	95	432814	50.0	46.5	
36 1,1-Dichloroethane	63	3.922	3.922	0.000	99	273131	50.0	48.0	
37 Vinyl acetate	43	3.940	3.940	0.000	99	563205	100.0	103.1	
38 Allyl alcohol	57	3.946	3.946	0.000	97	72219	1250.0	1249.9	
33 2-Chloro-1,3-butadiene	88	3.970	3.970	0.000	92	140108	NC	NC	
40 Tert-butyl ethyl ether	59	4.238	4.238	0.000	90	440623	NC	NC	
41 2,2-Dichloropropane	77	4.463	4.463	0.000	96	248442	50.0	50.3	
42 cis-1,2-Dichloroethene	96	4.493	4.493	0.000	94	182756	50.0	47.9	
43 2-Butanone (MEK)	72	4.524	4.524	0.000	99	117037	250.0	244.3	
44 Ethyl acetate	70	4.530	4.530	0.000	95	32948	100.0	99.5	
39 Methyl acrylate	55	4.585	4.585	0.000	99	149829	NC	NC	
48 Propionitrile	54	4.676	4.676	0.000	98	249693	NC	NC	
45 Tetrahydrofuran	42	4.749	4.749	0.000	81	106019	100.0	88.0	
46 Chlorobromomethane	128	4.755	4.755	0.000	82	77115	50.0	45.9	
31 Methacrylonitrile	67	4.791	4.791	0.000	92	704569	NC	NC	
47 Chloroform	83	4.810	4.810	0.000	99	285097	50.0	47.8	
49 Cyclohexane	56	4.950	4.950	0.000	91	268176	50.0	57.7	
50 1,1,1-Trichloroethane	97	4.968	4.968	0.000	97	273748	50.0	50.2	
\$ 152 Dibromofluoromethane (Surr	113	4.992	4.992	0.000	93	153225	50.0	50.7	
51 Carbon tetrachloride	117	5.102	5.102	0.000	98	237624	50.0	51.9	
52 1,1-Dichloropropene	75	5.144	5.144	0.000	94	208626	50.0	47.9	
56 Isobutyl alcohol	43	5.296	5.296	0.000	94	210667	NC	NC	
53 Benzene	78	5.369	5.369	0.000	97	628210	50.0	47.6	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.394	5.394	0.000	89	181497	50.0	50.0	
142 Tert-amyl methyl ether	73	5.449	5.449	0.000	96	433803	NC	NC	
57 Isopropyl acetate	43	5.455	5.455	0.000	96	430097	50.0	46.3	
55 1,2-Dichloroethane	62	5.479	5.479	0.000	97	215071	50.0	46.9	
58 n-Heptane	57	5.558	5.558	0.000	91	124580	50.0	52.3	
* 59 Fluorobenzene	96	5.710	5.710	0.000	99	608013	50.0	50.0	
64 Ethyl acrylate	55	5.960	5.960	0.000	52	211457	50.0	53.4	
60 2,4,4-Trimethyl-1-pentene	57	5.960	5.960	0.000	92	727509	NC	NC	
62 n-Butanol	56	6.075	6.075	0.000	89	113225	1250.0	1292.0	
61 Trichloroethene	95	6.112	6.112	0.000	96	173710	50.0	46.5	
63 Methylcyclohexane	83	6.245	6.245	0.000	94	288310	50.0	53.3	
65 1,2-Dichloropropane	63	6.428	6.428	0.000	85	146358	50.0	47.3	
* 150 1,4-Dioxane-d8	96	6.489	6.489	0.000	96	42329	1000.0	1000.0	
66 Methyl methacrylate	100	6.519	6.519	0.000	87	115040	100.0	96.7	
67 1,4-Dioxane	88	6.544	6.544	0.000	84	41592	1000.0	881.2	
68 Dibromomethane	93	6.556	6.556	0.000	90	99405	50.0	50.3	
69 n-Propyl acetate	43	6.580	6.580	0.000	98	238733	50.0	46.2	
70 Dichlorobromomethane	83	6.708	6.708	0.000	99	208858	50.0	51.0	
71 2-Nitropropane	41	7.030	7.030	0.000	84	101846	NC	NC	
72 2-Chloroethyl vinyl ether	63	7.030	7.030	0.000	65	88501	50.0	49.1	
73 Epichlorohydrin	57	7.122	7.122	0.000	99	299826	1000.0	978.8	
74 cis-1,3-Dichloropropene	75	7.170	7.170	0.000	94	249175	50.0	49.6	
75 4-Methyl-2-pentanone (MIBK	43	7.316	7.316	0.000	95	805964	250.0	250.1	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	100	589979	50.0	49.7	
77 Toluene	91	7.438	7.438	0.000	94	701950	50.0	45.6	
78 trans-1,3-Dichloropropene	75	7.718	7.718	0.000	99	214983	50.0	50.4	
82 Ethyl methacrylate	69	7.742	7.742	0.000	88	213159	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
79 1,1,2-Trichloroethane	83	7.876	7.876	0.000	95	122831	50.0	47.8	
80 Tetrachloroethene	166	7.906	7.906	0.000	96	236565	50.0	49.4	
81 1,3-Dichloropropane	76	8.034	8.034	0.000	94	239995	50.0	46.8	
83 2-Hexanone	43	8.077	8.077	0.000	95	607910	250.0	245.6	
85 n-Butyl acetate	73	8.156	8.156	0.000	98	36754	50.0	46.5	
84 Chlorodibromomethane	129	8.198	8.198	0.000	97	173320	50.0	51.0	
86 Ethylene Dibromide	107	8.302	8.302	0.000	98	163616	50.0	47.7	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	83	488661	50.0	50.0	
88 Chlorobenzene	112	8.691	8.691	0.000	96	482385	50.0	47.0	
89 Ethylbenzene	106	8.752	8.752	0.000	98	263879	50.0	48.2	
90 1,1,1,2-Tetrachloroethane	131	8.764	8.764	0.000	94	177764	50.0	49.6	
91 m-Xylene & p-Xylene	106	8.849	8.849	0.000	99	332292	50.0	49.1	
93 n-Butyl acrylate	73	9.141	9.141	0.000	97	116231	50.0	50.0	
92 o-Xylene	106	9.172	9.172	0.000	95	314772	50.0	48.0	
94 Styrene	104	9.190	9.190	0.000	96	533924	50.0	48.8	
96 Amyl acetate (mixed isomer	43	9.312	9.312	0.000	92	264169	50.0	49.7	
97 Bromoform	173	9.360	9.360	0.000	98	130658	50.0	50.2	
98 Isopropylbenzene	105	9.445	9.445	0.000	95	842534	50.0	53.8	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	95	232168	50.0	49.2	
95 Camphene	41	9.616	9.616	0.000	95	63302	50.0	50.4	
100 Bromobenzene	156	9.713	9.713	0.000	88	236800	50.0	46.4	
101 1,1,2,2-Tetrachloroethane	83	9.731	9.731	0.000	96	191177	50.0	47.6	
102 N-Propylbenzene	91	9.756	9.756	0.000	100	954765	50.0	55.3	
103 1,2,3-Trichloropropane	110	9.774	9.774	0.000	96	70886	50.0	46.8	
104 trans-1,4-Dichloro-2-buten	53	9.780	9.780	0.000	83	63314	NC	NC	
143 4-Ethyltoluene	105	9.841	9.841	0.000	98	815432	NC	NC	
105 2-Chlorotoluene	91	9.841	9.841	0.000	96	634289	50.0	50.5	
106 1,3,5-Trimethylbenzene	105	9.890	9.890	0.000	95	704977	50.0	53.0	
107 4-Chlorotoluene	91	9.932	9.932	0.000	97	580241	50.0	50.0	
108 Butyl Methacrylate	87	9.950	9.950	0.000	93	213131	50.0	51.4	
109 tert-Butylbenzene	119	10.121	10.121	0.000	95	625709	50.0	54.4	
110 1,2,4-Trimethylbenzene	105	10.169	10.169	0.000	97	717674	50.0	53.1	
113 sec-Butylbenzene	105	10.279	10.279	0.000	98	874973	50.0	57.7	
114 4-Isopropyltoluene	119	10.382	10.382	0.000	97	803952	50.0	56.6	
115 1,3-Dichlorobenzene	146	10.394	10.394	0.000	97	432917	50.0	48.4	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	93	284321	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.467	10.467	0.000	96	434987	50.0	47.6	
118 Benzyl chloride	91	10.571	10.571	0.000	99	385098	50.0	54.1	
119 2,3-Dihydroindene	117	10.626	10.626	0.000	95	683714	NC	NC	
133 p-Diethylbenzene	119	10.656	10.656	0.000	94	468684	NC	NC	
120 n-Butylbenzene	91	10.674	10.674	0.000	97	812051	50.0	55.7	
121 1,2-Dichlorobenzene	146	10.735	10.735	0.000	98	402156	50.0	47.5	
132 1,2,4,5-Tetramethylbenzene	119	11.216	11.216	0.000	98	687190	NC	NC	
122 1,2-Dibromo-3-Chloropropan	75	11.307	11.307	0.000	93	38941	50.0	49.5	
145 1,3,5-Trichlorobenzene	180	11.417	11.417	0.000	97	342578	NC	NC	
123 Camphor	95	11.861	11.861	0.000	91	118454	250.0	240.8	
124 1,2,4-Trichlorobenzene	180	11.934	11.934	0.000	94	296987	50.0	49.1	
126 Hexachlorobutadiene	225	12.025	12.025	0.000	98	177960	50.0	52.5	
127 Naphthalene	128	12.171	12.171	0.000	99	646756	50.0	50.5	
128 1,2,3-Trichlorobenzene	180	12.396	12.396	0.000	96	260701	50.0	49.8	
S 130 1,2-Dichloroethene, Total	100				0			95.4	
S 131 Xylenes, Total	100				0		100.0	97.0	

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

S 139 Total BTEX

1

0

238.4

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ACROLEIN W_00025

Amount Added: 10.00

Units: uL

GAS Hi_00068

Amount Added: 5.00

Units: uL

MIX 1 Hi_00030

Amount Added: 5.00

Units: uL

MIX 2 Hi_00022

Amount Added: 5.00

Units: uL

8260 MIX3 HI_00006

Amount Added: 5.00

Units: uL

8260ISSUR50_00006

Amount Added: 5.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0075.D

Injection Date: 01-Oct-2014 05:17:30

Instrument ID: CVOAMS3

Operator ID: VOA GC/MS3

Lims ID: STD50

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

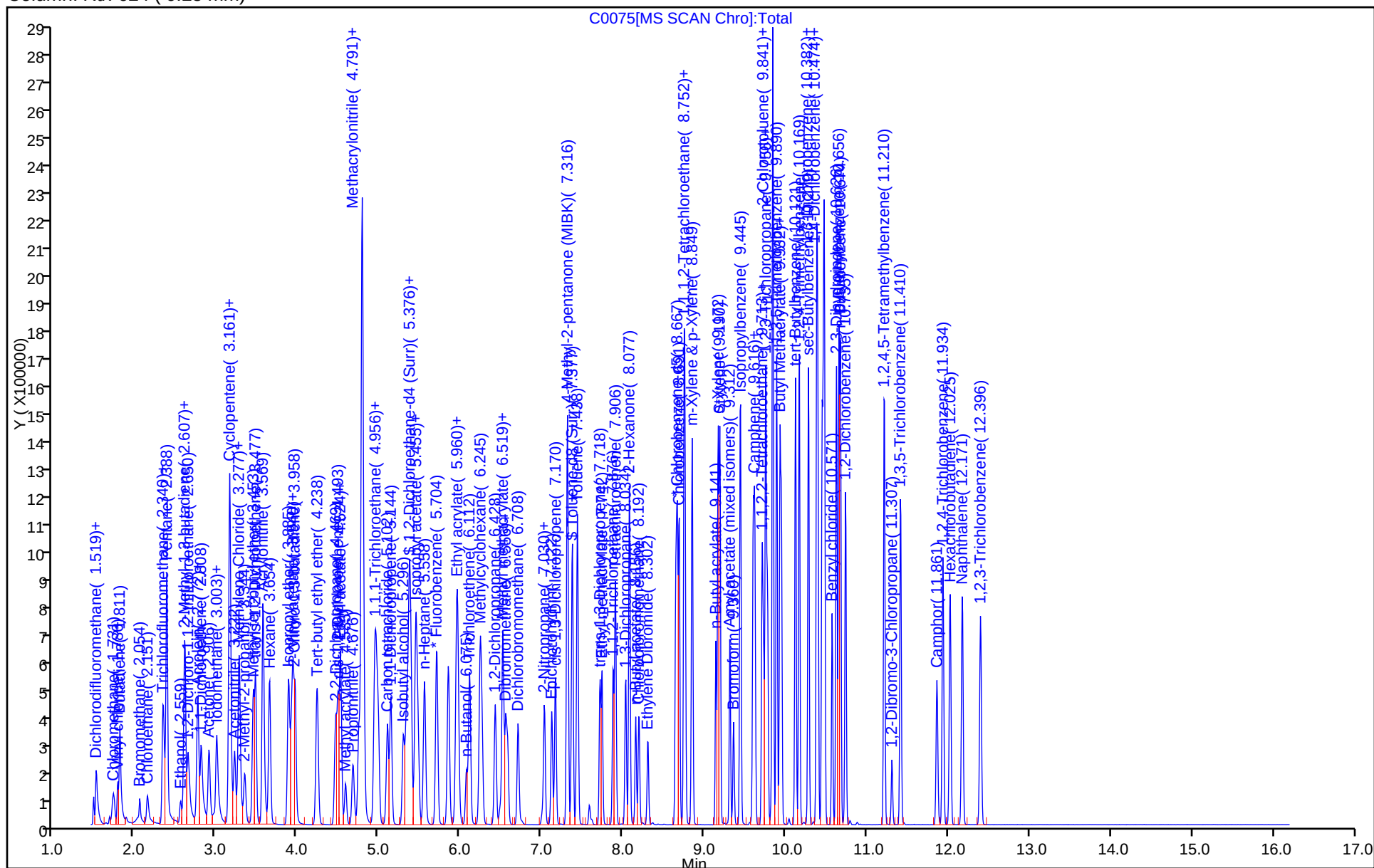
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8260W_3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CVOAMS3\20141001-18754.b\C0076.D
 Lims ID: STD200
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 01-Oct-2014 05:42:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD200
 Misc. Info.: 460-0018754-008
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Sublist: chrom-8260W_3*sub10
 Method: \\EDICHRON\ChromData\CVOAMS3\20141001-18754.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 02-Oct-2014 01:38:48 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHRON\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: desais

Date: 01-Oct-2014 06:43:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	66	1.488	1.488	0.000	91	54456	NC	NC	
1 Dichlorodifluoromethane	85	1.519	1.519	0.000	100	789469	200.0	195.4	
2 Chloromethane	50	1.738	1.731	0.007	99	548396	200.0	188.3	
4 Vinyl chloride	62	1.786	1.786	0.000	97	604158	200.0	202.7	
149 Butadiene	54	1.811	1.811	0.000	93	532045	NC	NC	
6 Bromomethane	94	2.054	2.054	0.000	99	168783	200.0	224.0	
7 Chloroethane	64	2.157	2.151	0.006	100	364023	200.0	194.8	
9 Dichlorofluoromethane	67	2.340	2.340	0.000	98	1100598	NC	NC	
8 Trichlorofluoromethane	101	2.352	2.346	0.006	98	1112824	200.0	203.4	
10 Pentane	72	2.401	2.388	0.013	93	223756	400.0	421.5	
11 Ethanol	46	2.553	2.559	-0.006	100	165206	10000	9821.7	
13 Ethyl ether	59	2.608	2.595	0.013	93	496181	200.0	202.9	
14 2-Methyl-1,3-butadiene	67	2.620	2.614	0.006	95	945947	200.0	195.5	M
15 1,2-Dichloro-1,1,2-trifluo	67	2.650	2.650	0.000	49	675655	NC	NC	M
16 1,1,2-Trichloro-1,2,2-trif	101	2.778	2.766	0.012	96	663938	200.0	233.6	
17 Acrolein	56	2.778	2.778	0.000	73	95177	200.0	235.4	
18 1,1-Dichloroethene	96	2.814	2.808	0.006	97	642546	200.0	214.6	
19 Acetone	43	2.906	2.906	0.000	86	1410767	1000.0	1002.0	
20 Iodomethane	142	2.966	2.966	0.000	98	275960	200.0	181.6	
34 Isopropyl alcohol	45	2.997	3.003	-0.006	98	443292	2000.0	2131.6	
21 Carbon disulfide	76	3.003	3.003	0.000	100	1858612	200.0	239.2	
147 3-Chloro-1-propene	76	3.155	3.149	0.006	86	282335	200.0	206.1	
22 Cyclopentene	67	3.179	3.161	0.018	89	1579048	NC	NC	
23 Methyl acetate	43	3.167	3.161	0.006	98	2780246	1000.0	1037.1	
24 Acetonitrile	41	3.222	3.222	0.000	98	1117786	2000.0	2144.5	
* 151 TBA-d9 (IS)	65	3.277	3.271	0.006	88	366205	1000.0	1000.0	
25 Methylene Chloride	84	3.283	3.283	0.000	89	675669	200.0	210.2	
26 2-Methyl-2-propanol	59	3.350	3.344	0.006	99	733234	2000.0	1826.3	
27 Methyl tert-butyl ether	73	3.453	3.453	0.000	96	1940060	200.0	210.9	
29 trans-1,2-Dichloroethene	96	3.496	3.477	0.019	95	688388	200.0	205.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Acrylonitrile	53	3.575	3.569	0.006	93	2583929	2000.0	2073.9	
32 Hexane	43	3.654	3.654	0.000	91	571537	200.0	221.1	
35 Isopropyl ether	45	3.891	3.885	0.006	95	1820168	200.0	207.0	
36 1,1-Dichloroethane	63	3.934	3.922	0.012	99	1109929	200.0	206.3	
37 Vinyl acetate	43	3.940	3.940	0.000	100	2205820	400.0	427.6	
38 Allyl alcohol	57	3.946	3.946	0.000	96	324074	5000.0	5656.4	
33 2-Chloro-1,3-butadiene	88	3.970	3.970	0.000	93	580346	NC	NC	
40 Tert-butyl ethyl ether	59	4.238	4.238	0.000	90	1877632	NC	NC	
41 2,2-Dichloropropane	77	4.475	4.463	0.012	95	994681	200.0	213.1	
42 cis-1,2-Dichloroethene	96	4.506	4.493	0.013	97	746436	200.0	207.0	
43 2-Butanone (MEK)	72	4.524	4.524	0.000	98	481750	1000.0	1014.3	
44 Ethyl acetate	70	4.530	4.530	0.000	96	140423	400.0	448.9	
39 Methyl acrylate	55	4.591	4.585	0.006	99	642177	NC	NC	
48 Propionitrile	54	4.682	4.676	0.006	98	1062903	NC	NC	
45 Tetrahydrofuran	42	4.755	4.749	0.006	84	374587	400.0	329.1	
46 Chlorobromomethane	128	4.761	4.755	0.006	75	344630	200.0	217.3	
31 Methacrylonitrile	67	4.798	4.791	0.007	88	2710513	NC	NC	
47 Chloroform	83	4.828	4.810	0.018	99	1149410	200.0	203.8	
49 Cyclohexane	56	4.950	4.950	0.000	91	1053192	200.0	239.8	
50 1,1,1-Trichloroethane	97	4.974	4.968	0.006	97	1120760	200.0	217.6	
\$ 152 Dibromofluoromethane (Surr	113	4.998	4.992	0.006	93	143377	50.0	50.2	
51 Carbon tetrachloride	117	5.108	5.102	0.006	97	994901	200.0	230.1	
52 1,1-Dichloropropene	75	5.144	5.144	0.000	94	879187	200.0	213.8	
56 Isobutyl alcohol	43	5.303	5.296	0.007	95	905669	NC	NC	
53 Benzene	78	5.376	5.369	0.007	97	2464888	200.0	200.0	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.400	5.394	0.006	79	165978	50.0	48.4	
142 Tert-amyl methyl ether	73	5.455	5.449	0.006	93	1856306	NC	NC	
57 Isopropyl acetate	43	5.455	5.455	0.000	96	1820511	200.0	207.4	
55 1,2-Dichloroethane	62	5.485	5.479	0.006	98	878926	200.0	202.9	
58 n-Heptane	57	5.558	5.558	0.000	89	500177	200.0	222.3	
* 59 Fluorobenzene	96	5.710	5.710	0.000	99	574282	50.0	50.0	
64 Ethyl acrylate	55	5.960	5.960	0.000	53	899730	200.0	240.6	
60 2,4,4-Trimethyl-1-pentene	57	5.960	5.960	0.000	90	3011215	NC	NC	
62 n-Butanol	56	6.075	6.075	0.000	88	494194	5000.0	5687.1	
61 Trichloroethene	95	6.112	6.112	0.000	96	730324	200.0	207.1	
63 Methylcyclohexane	83	6.246	6.245	0.001	93	1146512	200.0	224.3	
65 1,2-Dichloropropane	63	6.428	6.428	0.000	84	596569	200.0	204.1	
* 150 1,4-Dioxane-d8	96	6.489	6.489	0.000	93	39219	1000.0	1000.0	
66 Methyl methacrylate	100	6.525	6.519	0.006	86	474303	400.0	422.2	
67 1,4-Dioxane	88	6.544	6.544	0.000	84	175372	4000.0	4010.0	
68 Dibromomethane	93	6.562	6.556	0.006	89	335439	200.0	179.7	
69 n-Propyl acetate	43	6.580	6.580	0.000	98	1049790	200.0	214.9	
70 Dichlorobromomethane	83	6.708	6.708	0.000	99	912939	200.0	236.2	
71 2-Nitropropane	41	7.030	7.030	0.000	86	455785	NC	NC	
72 2-Chloroethyl vinyl ether	63	7.036	7.030	0.006	63	342362	200.0	201.0	
73 Epichlorohydrin	57	7.128	7.122	0.006	99	1210511	4000.0	4227.8	
74 cis-1,3-Dichloropropene	75	7.170	7.170	0.000	94	1050535	200.0	223.8	
75 4-Methyl-2-pentanone (MIBK	43	7.316	7.316	0.000	92	3042485	1000.0	1010.2	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	100	554453	50.0	50.0	
77 Toluene	91	7.438	7.438	0.000	95	2687661	200.0	186.7	
78 trans-1,3-Dichloropropene	75	7.718	7.718	0.000	99	929020	200.0	233.2	
82 Ethyl methacrylate	69	7.742	7.742	0.000	89	897646	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
79 1,1,2-Trichloroethane	83	7.876	7.876	0.000	94	503422	200.0	209.5	
80 Tetrachloroethene	166	7.906	7.906	0.000	96	953164	200.0	212.9	
81 1,3-Dichloropropane	76	8.034	8.034	0.000	94	973428	200.0	203.3	
83 2-Hexanone	43	8.077	8.077	0.000	93	2296984	1000.0	992.8	
85 n-Butyl acetate	73	8.156	8.156	0.000	98	155779	200.0	211.1	
84 Chlorodibromomethane	129	8.198	8.198	0.000	97	779712	200.0	245.5	
86 Ethylene Dibromide	107	8.308	8.302	0.006	99	675358	200.0	210.6	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	87	456737	50.0	50.0	
88 Chlorobenzene	112	8.691	8.691	0.000	94	1868588	200.0	194.9	
89 Ethylbenzene	106	8.752	8.752	0.000	98	1040776	200.0	203.5	
90 1,1,1,2-Tetrachloroethane	131	8.764	8.764	0.000	94	744132	200.0	222.1	
91 m-Xylene & p-Xylene	106	8.849	8.849	0.000	97	1304625	200.0	206.1	
93 n-Butyl acrylate	73	9.141	9.141	0.000	98	497373	200.0	228.8	
92 o-Xylene	106	9.172	9.172	0.000	96	1232934	200.0	201.0	
94 Styrene	104	9.190	9.190	0.000	97	2089512	200.0	204.1	
96 Amyl acetate (mixed isomer	43	9.312	9.312	0.000	92	1078886	200.0	216.0	
97 Bromoform	173	9.360	9.360	0.000	98	617576	200.0	253.9	
98 Isopropylbenzene	105	9.445	9.445	0.000	96	3010244	200.0	205.7	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	96	222296	50.0	50.1	
95 Camphene	41	9.616	9.616	0.000	94	268340	200.0	228.4	
100 Bromobenzene	156	9.713	9.713	0.000	87	965922	200.0	201.3	
101 1,1,2,2-Tetrachloroethane	83	9.731	9.731	0.000	97	780434	200.0	206.8	
102 N-Propylbenzene	91	9.756	9.756	0.000	97	3348644	200.0	206.3	
103 1,2,3-Trichloropropane	110	9.774	9.774	0.000	96	283332	200.0	199.1	
104 trans-1,4-Dichloro-2-buten	53	9.780	9.780	0.000	89	278944	NC	NC	
143 4-Ethyltoluene	105	9.841	9.841	0.000	96	2965782	NC	NC	
105 2-Chlorotoluene	91	9.847	9.841	0.006	97	2351605	200.0	199.1	
106 1,3,5-Trimethylbenzene	105	9.890	9.890	0.000	95	2622433	200.0	209.7	
107 4-Chlorotoluene	91	9.932	9.932	0.000	96	2191954	200.0	201.0	
108 Butyl Methacrylate	87	9.950	9.950	0.000	94	872152	200.0	223.8	
109 tert-Butylbenzene	119	10.121	10.121	0.000	94	2344923	200.0	217.0	
110 1,2,4-Trimethylbenzene	105	10.169	10.169	0.000	97	2612949	200.0	205.7	
113 sec-Butylbenzene	105	10.279	10.279	0.000	96	3067253	200.0	215.2	
114 4-Isopropyltoluene	119	10.382	10.382	0.000	96	2858896	200.0	214.3	
115 1,3-Dichlorobenzene	146	10.395	10.394	0.001	96	1688684	200.0	200.9	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	91	267209	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.468	10.467	0.001	94	1685309	200.0	196.0	
118 Benzyl chloride	91	10.571	10.571	0.000	99	1655657	200.0	247.5	
119 2,3-Dihydroindene	117	10.626	10.626	0.000	96	2574311	NC	NC	
133 p-Diethylbenzene	119	10.656	10.656	0.000	92	1848961	NC	NC	
120 n-Butylbenzene	91	10.674	10.674	0.000	98	3029611	200.0	221.0	
121 1,2-Dichlorobenzene	146	10.741	10.735	0.006	97	1573269	200.0	197.7	
132 1,2,4,5-Tetramethylbenzene	119	11.216	11.216	0.000	99	2569067	NC	NC	
122 1,2-Dibromo-3-Chloropropan	75	11.307	11.307	0.000	93	166932	200.0	225.7	
145 1,3,5-Trichlorobenzene	180	11.417	11.417	0.001	97	1344284	NC	NC	
123 Camphor	95	11.861	11.861	0.000	91	423603	1000.0	916.3	
124 1,2,4-Trichlorobenzene	180	11.934	11.934	0.000	94	1194010	200.0	210.0	
126 Hexachlorobutadiene	225	12.025	12.025	0.000	98	705211	200.0	221.4	
127 Naphthalene	128	12.171	12.171	0.000	98	2522176	200.0	209.6	
128 1,2,3-Trichlorobenzene	180	12.396	12.396	0.000	96	1008236	200.0	204.7	
S 130 1,2-Dichloroethene, Total	100				0			412.5	
S 131 Xylenes, Total	100				0		400.0	407.0	

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

S 139 Total BTEX

1

0

997.2

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00025

Amount Added: 20.00

Units: uL

GAS Hi_00068

Amount Added: 20.00

Units: uL

MIX I Hi_00030

Amount Added: 20.00

Units: uL

MIX 2 Hi_00022

Amount Added: 20.00

Units: uL

8260 MIX3 HI_00006

Amount Added: 20.00

Units: uL

8260ISSUR50_00006

Amount Added: 5.00

Units: uL

Run Reagent

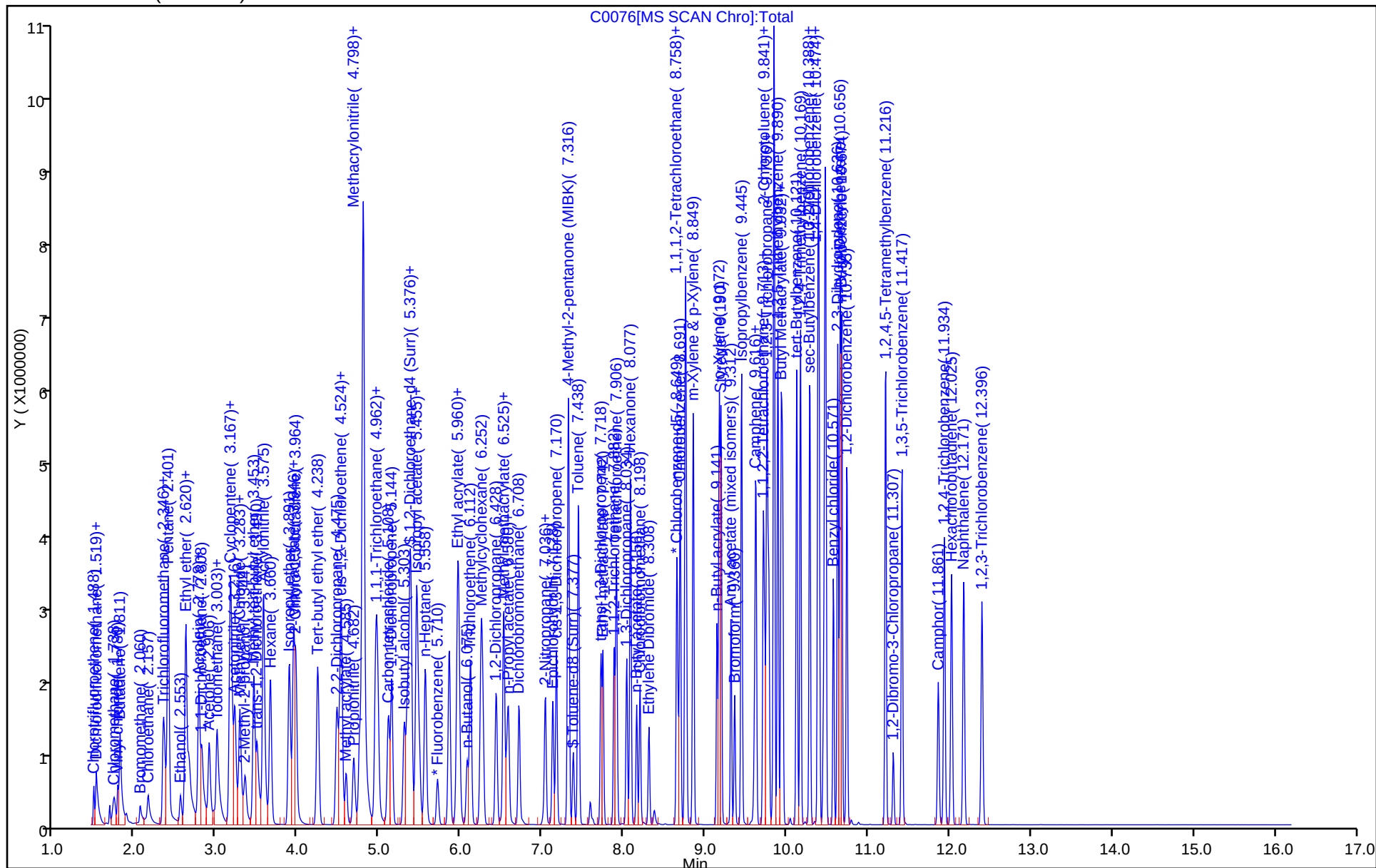
Operator ID: VOA GC/MS3

Worklist Smp#: 8

ALS Bottle#: 7

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



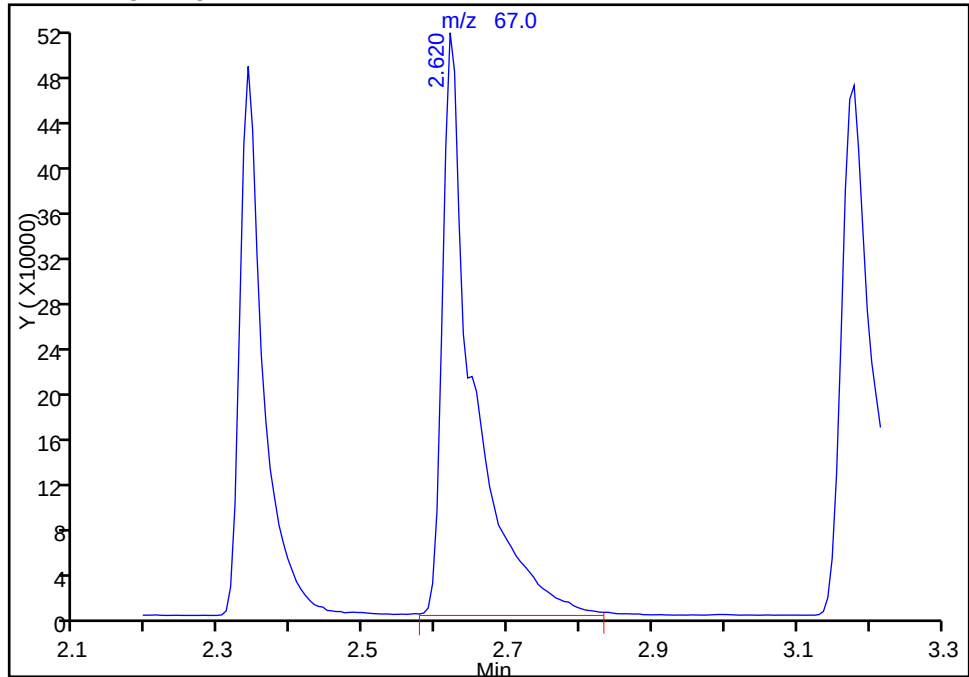
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0076.D
Injection Date: 01-Oct-2014 05:42:30 Instrument ID: CVOAMS3
Lims ID: STD200
Client ID:
Operator ID: VOA GC/MS3 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_3 Limit Group: VOA 624 ICAL
Column: Rtx-624 (0.25 mm) Detector: MS SCAN

14 2-Methyl-1,3-butadiene, CAS: 78-79-5

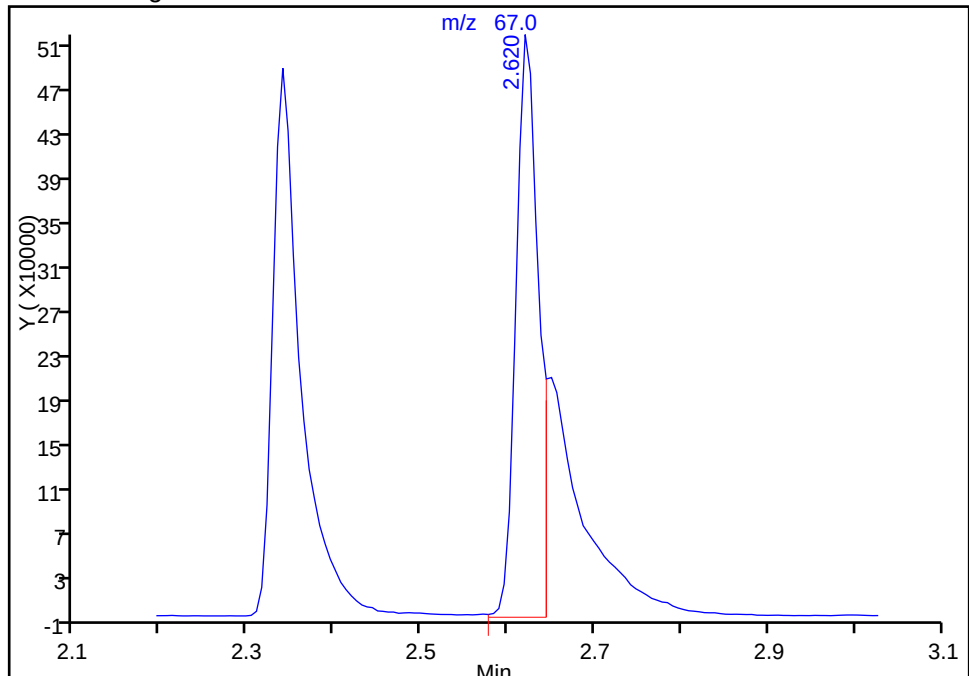
RT: 2.62
Response: 1524683
Amount: 207.1087

Processing Integration Results



RT: 2.62
Response: 945947
Amount: 195.4813

Manual Integration Results



Reviewer: desais, 01-Oct-2014 06:43:42
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Lims ID: STD500
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 01-Oct-2014 06:06:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: STD500
 Misc. Info.: 460-0018754-009
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Sublist: chrom-8260W_3*sub10
 Method: \\EDICHRON\ChromData\CVOAMS3\20141001-18754.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 02-Oct-2014 01:38:52 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHRON\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK029

First Level Reviewer: desais

Date: 01-Oct-2014 06:44:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	66	1.488	1.488	0.000	93	162923	NC	NC	
1 Dichlorodifluoromethane	85	1.519	1.519	0.000	98	1977692	500.0	468.4	
2 Chloromethane	50	1.738	1.731	0.007	99	1323265	500.0	434.9	
4 Vinyl chloride	62	1.780	1.786	-0.006	99	1449062	500.0	465.2	
149 Butadiene	54	1.811	1.811	0.000	93	1265607	NC	NC	
6 Bromomethane	94	2.054	2.054	0.000	99	606319	500.0	676.2	
7 Chloroethane	64	2.139	2.151	-0.012	100	866836	500.0	443.9	
9 Dichlorofluoromethane	67	2.334	2.340	-0.006	97	2645465	NC	NC	
8 Trichlorofluoromethane	101	2.340	2.346	-0.006	98	2776240	500.0	485.6	
10 Pentane	72	2.413	2.388	0.025	94	568121	1000.0	1024.2	
11 Ethanol	46	2.571	2.559	0.012	98	434124	25000	21685	
13 Ethyl ether	59	2.608	2.595	0.013	90	1186339	500.0	464.2	
14 2-Methyl-1,3-butadiene	67	2.632	2.614	0.018	98	3566992	500.0	705.4	
15 1,2-Dichloro-1,1,2-trifluo	67	2.632	2.650	-0.018	63	3566992	NC	NC	
16 1,1,2-Trichloro-1,2,2-trif	101	2.790	2.766	0.024	96	1599844	500.0	538.8	
17 Acrolein	56	2.778	2.778	0.000	93	192949	400.0	456.8	
18 1,1-Dichloroethene	96	2.808	2.808	0.000	98	1531120	500.0	489.4	
19 Acetone	43	2.906	2.906	0.000	87	3471061	2500.0	2359.2	
20 Iodomethane	142	2.960	2.966	-0.006	99	808478	500.0	509.2	
34 Isopropyl alcohol	45	3.015	3.003	0.012	98	1184520	5000.0	4785.5	
21 Carbon disulfide	76	2.997	3.003	-0.006	100	4436867	500.0	546.4	
147 3-Chloro-1-propene	76	3.149	3.149	0.000	34	676978	500.0	472.9	
22 Cyclopentene	67	3.173	3.161	0.012	89	3864359	NC	NC	
23 Methyl acetate	43	3.167	3.161	0.006	100	5999034	2500.0	2141.4	
24 Acetonitrile	41	3.222	3.222	0.000	97	2732459	5000.0	5016.9	
* 151 TBA-d9 (IS)	65	3.301	3.271	0.030	87	435863	1000.0	1000.0	
25 Methylene Chloride	84	3.283	3.283	0.000	88	1577998	500.0	469.9	
26 2-Methyl-2-propanol	59	3.368	3.344	0.024	99	1952387	5000.0	4085.6	
27 Methyl tert-butyl ether	73	3.459	3.453	0.006	96	4259703	500.0	443.1	
29 trans-1,2-Dichloroethene	96	3.490	3.477	0.013	91	1653959	500.0	472.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Acrylonitrile	53	3.575	3.569	0.006	90	5495606	5000.0	4221.2	
32 Hexane	43	3.660	3.654	0.006	91	1327172	500.0	491.3	
35 Isopropyl ether	45	3.891	3.885	0.006	92	4043859	500.0	440.1	
36 1,1-Dichloroethane	63	3.928	3.922	0.006	99	2595926	500.0	461.8	
37 Vinyl acetate	43	3.946	3.940	0.006	99	4428949	1000.0	821.6	
38 Allyl alcohol	57	3.970	3.946	0.024	72	830869	12500	12184	
33 2-Chloro-1,3-butadiene	88	3.976	3.970	0.006	93	1352166	NC	NC	
40 Tert-butyl ethyl ether	59	4.244	4.238	0.006	93	4218375	NC	NC	
41 2,2-Dichloropropane	77	4.487	4.463	0.024	95	1920900	500.0	393.9	
42 cis-1,2-Dichloroethene	96	4.506	4.493	0.013	99	1751860	500.0	465.0	
43 2-Butanone (MEK)	72	4.530	4.524	0.006	98	1164353	2500.0	2059.6	
44 Ethyl acetate	70	4.536	4.530	0.006	96	335538	1000.0	1026.6	
39 Methyl acrylate	55	4.591	4.585	0.006	99	1546432	NC	NC	
48 Propionitrile	54	4.688	4.676	0.012	97	2544673	NC	NC	
45 Tetrahydrofuran	42	4.755	4.749	0.006	91	1340545	1000.0	1127.2	
46 Chlorobromomethane	128	4.755	4.755	0.000	73	836690	500.0	504.9	
31 Methacrylonitrile	67	4.810	4.791	0.019	80	6031506	NC	NC	
47 Chloroform	83	4.828	4.810	0.018	98	2691179	500.0	456.7	
49 Cyclohexane	56	4.956	4.950	0.006	90	2362373	500.0	514.8	
50 1,1,1-Trichloroethane	97	4.980	4.968	0.012	97	2567584	500.0	477.1	
\$ 152 Dibromofluoromethane (Surr	113	5.005	4.992	0.013	95	153415	50.0	51.4	
51 Carbon tetrachloride	117	5.114	5.102	0.012	97	2264160	500.0	501.2	
52 1,1-Dichloropropene	75	5.151	5.144	0.007	93	1995993	500.0	464.5	
56 Isobutyl alcohol	43	5.321	5.296	0.025	96	2786191	NC	NC	
53 Benzene	78	5.376	5.369	0.007	98	5126303	500.0	399.6	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.406	5.394	0.012	39	182272	50.0	50.8	
142 Tert-amyl methyl ether	73	5.455	5.449	0.006	90	4365160	NC	NC	
57 Isopropyl acetate	43	5.461	5.455	0.006	96	4185651	500.0	456.2	
55 1,2-Dichloroethane	62	5.497	5.479	0.018	99	2032194	500.0	448.9	
58 n-Heptane	57	5.564	5.558	0.006	88	1154014	500.0	490.8	
* 59 Fluorobenzene	96	5.710	5.710	0.000	99	600094	50.0	50.0	
64 Ethyl acrylate	55	5.966	5.960	0.006	71	2154448	500.0	551.4	
60 2,4,4-Trimethyl-1-pentene	57	5.966	5.960	0.006	92	6564403	NC	NC	
62 n-Butanol	56	6.094	6.075	0.019	90	1278089	12500	12357	
61 Trichloroethene	95	6.118	6.112	0.006	96	1676414	500.0	455.0	
63 Methylcyclohexane	83	6.252	6.245	0.007	91	2616571	500.0	489.9	
65 1,2-Dichloropropane	63	6.434	6.428	0.006	88	1336798	500.0	437.7	
* 150 1,4-Dioxane-d8	96	6.495	6.489	0.006	91	42086	1000.0	1000.0	
66 Methyl methacrylate	100	6.525	6.519	0.006	84	1132218	1000.0	964.6	
67 1,4-Dioxane	88	6.556	6.544	0.012	85	448935	10000	9566.0	
68 Dibromomethane	93	6.568	6.556	0.012	89	792969	500.0	406.6	
69 n-Propyl acetate	43	6.586	6.580	0.006	97	2494559	500.0	488.6	
70 Dichlorobromomethane	83	6.714	6.708	0.006	99	2055486	500.0	509.0	
71 2-Nitropropane	41	7.036	7.030	0.006	98	1125474	NC	NC	
72 2-Chloroethyl vinyl ether	63	7.036	7.030	0.006	62	794992	500.0	446.7	
73 Epichlorohydrin	57	7.134	7.122	0.012	98	2651314	10000	8895.3	
74 cis-1,3-Dichloropropene	75	7.176	7.170	0.006	93	2280788	500.0	466.7	
75 4-Methyl-2-pentanone (MIBK	43	7.322	7.316	0.006	84	5805537	2500.0	1851.8	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	99	585907	50.0	50.8	
77 Toluene	91	7.444	7.438	0.006	97	5166626	500.0	344.7	
78 trans-1,3-Dichloropropene	75	7.718	7.718	0.000	97	2045439	500.0	493.3	
82 Ethyl methacrylate	69	7.742	7.742	0.000	89	2036436	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
79 1,1,2-Trichloroethane	83	7.882	7.876	0.006	93	1123854	500.0	449.3	
80 Tetrachloroethene	166	7.906	7.906	0.000	96	2176511	500.0	467.0	
81 1,3-Dichloropropane	76	8.034	8.034	0.000	94	2132908	500.0	427.9	
83 2-Hexanone	43	8.083	8.077	0.006	87	4665385	2500.0	1937.0	
85 n-Butyl acetate	73	8.156	8.156	0.000	97	385728	500.0	502.0	
84 Chlorodibromomethane	129	8.198	8.198	0.000	97	1798305	500.0	544.0	
86 Ethylene Dibromide	107	8.308	8.302	0.006	99	1541261	500.0	461.7	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	85	475457	50.0	50.0	
88 Chlorobenzene	112	8.691	8.691	0.000	89	3839728	500.0	384.7	
89 Ethylbenzene	106	8.758	8.752	0.006	94	2265502	500.0	425.5	
90 1,1,1,2-Tetrachloroethane	131	8.770	8.764	0.006	94	1705862	500.0	489.2	
91 m-Xylene & p-Xylene	106	8.855	8.849	0.006	91	2811767	500.0	426.6	
93 n-Butyl acrylate	73	9.147	9.141	0.006	98	1232057	500.0	544.5	
92 o-Xylene	106	9.172	9.172	0.000	98	2675955	500.0	419.0	
94 Styrene	104	9.196	9.190	0.006	87	4201032	500.0	394.3	
96 Amyl acetate (mixed isomer	43	9.318	9.312	0.006	94	2576873	500.0	484.9	
97 Bromoform	173	9.360	9.360	0.000	97	1598034	500.0	631.1	
98 Isopropylbenzene	105	9.446	9.445	0.001	95	5450291	500.0	357.8	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	73	244418	50.0	51.8	
95 Camphene	41	9.622	9.616	0.006	95	662720	500.0	541.8	
100 Bromobenzene	156	9.713	9.713	0.000	85	2223359	500.0	435.4	
101 1,1,2,2-Tetrachloroethane	83	9.731	9.731	0.000	95	1849826	500.0	460.7	
102 N-Propylbenzene	91	9.756	9.756	0.000	94	5910289	500.0	342.1	
103 1,2,3-Trichloropropane	110	9.774	9.774	0.000	96	706604	500.0	466.7	
104 trans-1,4-Dichloro-2-buten	53	9.786	9.780	0.006	91	720325	NC	NC	
143 4-Ethyltoluene	105	9.847	9.841	0.006	89	5531868	NC	NC	
105 2-Chlorotoluene	91	9.847	9.841	0.006	93	4602815	500.0	366.3	
106 1,3,5-Trimethylbenzene	105	9.896	9.890	0.006	95	4816719	500.0	361.9	
107 4-Chlorotoluene	91	9.932	9.932	0.000	92	4317994	500.0	372.1	
108 Butyl Methacrylate	87	9.950	9.950	0.000	95	2034953	500.0	490.7	
109 tert-Butylbenzene	119	10.127	10.121	0.006	88	4595673	500.0	399.7	
110 1,2,4-Trimethylbenzene	105	10.170	10.169	0.001	92	4843700	500.0	358.4	
113 sec-Butylbenzene	105	10.285	10.279	0.006	88	5481970	500.0	361.4	
114 4-Isopropyltoluene	119	10.389	10.382	0.006	90	5027680	500.0	354.2	
115 1,3-Dichlorobenzene	146	10.401	10.394	0.007	90	3480133	500.0	389.0	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	95	284320	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.468	10.467	0.001	91	3463503	500.0	378.6	
118 Benzyl chloride	91	10.577	10.571	0.006	96	3573242	500.0	501.9	
119 2,3-Dihydroindene	117	10.626	10.626	0.000	93	4861150	NC	NC	
133 p-Diethylbenzene	119	10.656	10.656	0.000	95	3749113	NC	NC	
120 n-Butylbenzene	91	10.674	10.674	0.000	91	5664003	500.0	388.4	
121 1,2-Dichlorobenzene	146	10.741	10.735	0.006	92	3286695	500.0	388.2	
132 1,2,4,5-Tetramethylbenzene	119	11.216	11.216	0.000	93	4817409	NC	NC	
122 1,2-Dibromo-3-Chloropropan	75	11.307	11.307	0.000	94	405296	500.0	514.9	
145 1,3,5-Trichlorobenzene	180	11.417	11.417	0.001	97	2919448	NC	NC	
123 Camphor	95	11.861	11.861	0.000	91	1103023	2500.0	2242.4	
124 1,2,4-Trichlorobenzene	180	11.940	11.934	0.006	95	2605592	500.0	430.8	
126 Hexachlorobutadiene	225	12.025	12.025	0.000	97	1574579	500.0	464.6	
127 Naphthalene	128	12.177	12.171	0.006	97	5087640	500.0	397.3	
128 1,2,3-Trichlorobenzene	180	12.402	12.396	0.006	95	2248886	500.0	429.2	
S 130 1,2-Dichloroethene, Total	100				0			937.4	
S 131 Xylenes, Total	100				0		1000.0	845.6	

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

S 139 Total BTEX

1

0

2015.4

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ACROLEIN W_00025

Amount Added: 40.00

Units: uL

GAS Hi_00068

Amount Added: 50.00

Units: uL

MIX 1 Hi_00030

Amount Added: 50.00

Units: uL

MIX 2 Hi_00022

Amount Added: 50.00

Units: uL

8260 MIX3 HI_00006

Amount Added: 50.00

Units: uL

8260ISSUR50_00006

Amount Added: 5.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D

Injection Date: 01-Oct-2014 06:06:30

Instrument ID: CVOAMS3

Operator ID: VOA GC/MS3

Lims ID: STD500

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

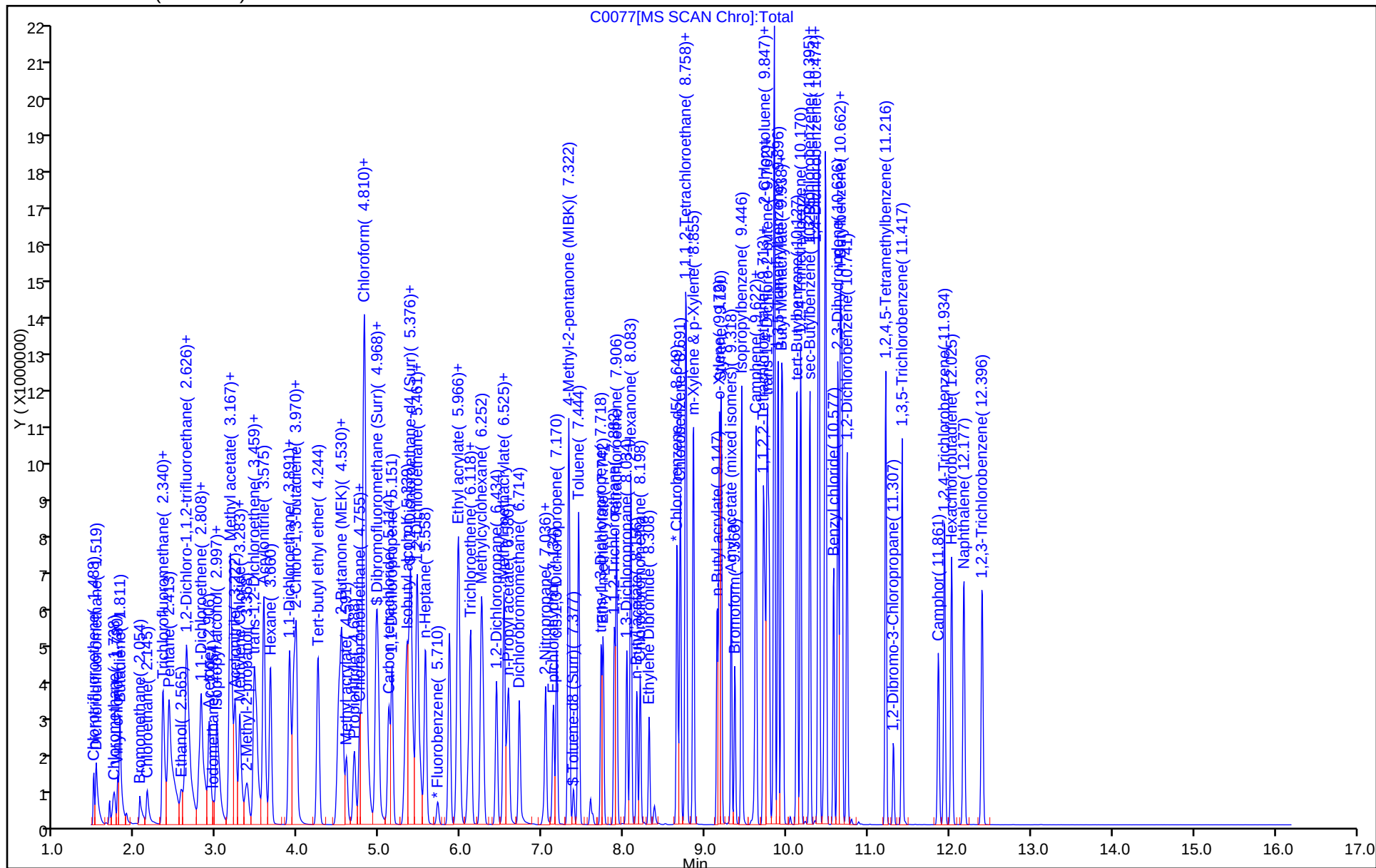
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8260W 3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Lab Sample ID: CCVIS 460-253449/2 Calibration Date: 10/03/2014 07:13

Instrument ID: CVOAMS3 Calib Start Date: 10/01/2014 03:01

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 10/01/2014 06:06

Lab File ID: C0192.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3518	0.2997		17.0	20.0	-14.8	50.0
Chloromethane	Ave	0.2535	0.2387	0.1000	18.8	20.0	-5.9	104.0
Vinyl chloride	Ave	0.2596	0.2389		18.4	20.0	-8.0	96.0
Bromomethane	Ave	2.057	1.409		13.7	20.0	-31.5	86.0
Ethyl Chloride	Ave	0.1627	0.1740		21.4	20.0	6.9	62.0
Trichlorofluoromethane	Ave	0.4764	0.4482		18.8	20.0	-5.9	52.0
n-Pentane	Ave	0.0462	0.0387		33.4	40.0	-16.4	50.0
Ethanol	Ave	0.0459	0.0448		975	1000	-2.5	50.0
Ethyl ether	Ave	0.2129	0.2055		19.3	20.0	-3.5	50.0
Isoprene	Ave	0.4213	0.3507		16.6	20.0	-16.8	50.0
Freon TF	Ave	0.2474	0.2245		18.1	20.0	-9.3	50.0
Acrolein	Ave	0.0352	0.0347		39.4	40.0	-1.6	99.0
1,1-Dichloroethene	Ave	0.2607	0.2408		18.5	20.0	-7.6	49.5
Acetone	Ave	0.1226	0.0914		74.5	100	-25.5	50.0
Iodomethane	LinF		0.0653		9.87	20.0	-50.6*	50.0
Isopropanol	Ave	0.5679	0.5340		188	200	-6.0	50.0
Carbon disulfide	Ave	0.6765	0.5892		17.4	20.0	-12.9	50.0
Allyl chloride	Ave	0.1193	0.1138		19.1	20.0	-4.6	50.0
Methyl acetate	Ave	0.2334	0.2450		105	100	5.0	50.0
Acetonitrile	Ave	0.0454	0.0441		194	200	-2.9	50.0
Methylene Chloride	Ave	0.2798	0.2689		19.2	20.0	-3.9	39.5
TBA	Ave	1.096	0.9875		180	200	-9.9	50.0
MTBE	Ave	0.8009	0.8141		20.3	20.0	1.6	50.0
trans-1,2-Dichloroethene	Ave	0.2917	0.2748		18.8	20.0	-5.8	30.5
Acrylonitrile	Ave	0.1085	0.1099		203	200	1.3	50.0
Hexane	LinF		0.1838		16.3	20.0	-18.3	50.0
DIPE	Ave	0.7657	0.7678		20.1	20.0	0.3	50.0
1,1-Dichloroethane	Ave	0.4684	0.4608	0.1000	19.7	20.0	-1.6	27.5
Vinyl acetate	Ave	0.4492	0.4087		36.4	40.0	-9.0	50.0
Allyl alcohol	Ave	0.1565	0.1526		488	500	-2.4	50.0
2,2-Dichloropropane	Ave	0.4063	0.4243		20.9	20.0	4.4	50.0
cis-1,2-Dichloroethene	Ave	0.3139	0.3075		19.6	20.0	-2.0	50.0
2-Butanone	Ave	1.297	1.172		90.4	100	-9.6	50.0
Ethyl acetate	Ave	0.0272	0.0291		42.7	40.0	6.7	50.0
Tetrahydrofuran	Ave	0.0991	0.0899		36.3	40.0	-9.3	50.0
Bromochloromethane	Ave	0.1381	0.1327		19.2	20.0	-3.9	50.0
Chloroform	Ave	0.4910	0.4903		20.0	20.0	-0.1	32.5
Cyclohexane	Ave	0.3824	0.3749		19.6	20.0	-2.0	50.0
1,1,1-Trichloroethane	Ave	0.4484	0.4427		19.7	20.0	-1.3	25.0
Carbon tetrachloride	Ave	0.3764	0.3681		19.6	20.0	-2.2	27.0
1,1-Dichloropropene	Ave	0.3581	0.3491		19.5	20.0	-2.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Lab Sample ID: CCVIS 460-253449/2 Calibration Date: 10/03/2014 07:13

Instrument ID: CVOAMS3 Calib Start Date: 10/01/2014 03:01

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 10/01/2014 06:06

Lab File ID: C0192.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	1.349	1.324		19.6	20.0	-1.9	36.0
Isopropyl acetate	Ave	0.7644	0.7674		20.1	20.0	0.4	50.0
1,2-Dichloroethane	Ave	0.3772	0.3853		20.4	20.0	2.2	32.0
n-Heptane	LinF		0.1577		16.1	20.0	-19.5	50.0
Ethyl acrylate	Ave	0.3256	0.3037		18.7	20.0	-6.7	50.0
n-Butanol	Ave	0.2373	0.1980		417	500	-16.5	50.0
Trichloroethene	Ave	0.3070	0.2982		19.4	20.0	-2.9	33.5
Methylcyclohexane	LinF		0.3898		17.5	20.0	-12.4	50.0
1,2-Dichloropropane	Ave	0.2545	0.2466		19.4	20.0	-3.1	66.0
Methyl methacrylate	Ave	0.0978	0.0985		40.3	40.0	0.7	50.0
p-Dioxane	Ave	1.115	1.099		394	400	-1.5	50.0
Dibromomethane	Ave	0.1625	0.1714		21.1	20.0	5.5	50.0
Propyl acetate	Ave	0.4254	0.4371		20.6	20.0	2.8	50.0
Bromodichloromethane	Ave	0.3365	0.3425		20.4	20.0	1.8	34.5
2-Chloroethyl vinyl ether	Ave	0.1483	0.1503		20.3	20.0	1.3	124.0
Epichlorohydrin	Ave	0.0313	0.0326		417	400	4.1	50.0
cis-1,3-Dichloropropene	Ave	0.5139	0.5135		20.0	20.0	-0.0	76.0
4-Methyl-2-pentanone	Ave	0.3297	0.3453		105	100	4.7	50.0
Toluene	Ave	1.576	1.506		19.1	20.0	-4.4	25.5
trans-1,3-Dichloropropene	Ave	0.4360	0.4452		20.4	20.0	2.1	50.0
1,1,2-Trichloroethane	Ave	0.2630	0.2568		19.5	20.0	-2.4	29.0
Tetrachloroethene	Ave	0.4901	0.4918		20.1	20.0	0.3	26.5
1,3-Dichloropropane	Ave	0.5242	0.5177		19.8	20.0	-1.2	50.0
2-Hexanone	Ave	0.2533	0.2489		98.3	100	-1.7	50.0
Butyl acetate	Ave	0.0808	0.0802		19.9	20.0	-0.7	50.0
Dibromochloromethane	Ave	0.3477	0.3467		19.9	20.0	-0.3	32.5
1,2-Dibromoethane	Ave	0.3511	0.3490		19.9	20.0	-0.6	50.0
Chlorobenzene	Ave	1.050	1.032	0.3000	19.7	20.0	-1.6	34.0
Ethylbenzene	Ave	0.5599	0.5522		19.7	20.0	-1.4	41.0
1,1,1,2-Tetrachloroethane	Ave	0.3667	0.3695		20.2	20.0	0.8	50.0
m-Xylene & p-Xylene	Ave	0.6931	0.6802		19.6	20.0	-1.9	50.0
n-Butyl acrylate	Ave	0.2380	0.2469		20.7	20.0	3.7	50.0
o-Xylene	Ave	0.6716	0.6818		20.3	20.0	1.5	50.0
Styrene	Ave	1.121	1.140		20.3	20.0	1.7	50.0
Amyl acetate	Ave	0.9345	0.9687		20.7	20.0	3.7	50.0
Bromoform	Ave	0.2663	0.2506	0.1000	18.8	20.0	-5.9	29.0
Isopropylbenzene	Ave	1.602	1.763		22.0	20.0	10.0	50.0
Camphene, Total	Ave	0.1286	0.1322		20.5	20.0	2.7	50.0
Bromobenzene	Ave	0.8981	0.8521		19.0	20.0	-5.1	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7061	0.6947	0.3000	19.7	20.0	-1.6	39.5
N-Propylbenzene	Ave	3.038	3.389		22.3	20.0	11.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-253449/2 Calibration Date: 10/03/2014 07:13
 Instrument ID: CVOAMS3 Calib Start Date: 10/01/2014 03:01
 GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 10/01/2014 06:06
 Lab File ID: C0192.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.2662	0.2542		19.1	20.0	-4.5	50.0
2-Chlorotoluene	Ave	2.210	2.292		20.7	20.0	3.7	50.0
1,3,5-Trimethylbenzene	Ave	2.340	2.556		21.8	20.0	9.2	50.0
4-Chlorotoluene	Ave	2.041	2.069		20.3	20.0	1.4	50.0
Butyl Methacrylate	Ave	0.7293	0.7603		20.8	20.0	4.2	50.0
tert-Butylbenzene	Ave	2.022	2.257		22.3	20.0	11.6	50.0
1,2,4-Trimethylbenzene	Ave	2.377	2.554		21.5	20.0	7.5	50.0
sec-Butylbenzene	Ave	2.667	3.078		23.1	20.0	15.4	50.0
p-Isopropyltoluene	Ave	2.496	2.870		23.0	20.0	15.0	50.0
1,3-Dichlorobenzene	Ave	1.573	1.590		20.2	20.0	1.1	27.0
1,4-Dichlorobenzene	Ave	1.609	1.594		19.8	20.0	-0.9	37.0
Benzyl chloride	Ave	1.252	1.358		21.7	20.0	8.4	50.0
n-Butylbenzene	Ave	2.565	2.847		22.2	20.0	11.0	50.0
1,2-Dichlorobenzene	Ave	1.489	1.462		19.6	20.0	-1.8	37.0
1,2-Dibromo-3-Chloropropane	Ave	0.1384	0.1346		19.4	20.0	-2.8	50.0
Camphor	Ave	0.0865	0.0920		106	100	6.3	50.0
1,2,4-Trichlorobenzene	Ave	1.064	1.074		20.2	20.0	1.0	50.0
Hexachlorobutadiene	Ave	0.5960	0.6129		20.6	20.0	2.8	50.0
Naphthalene	Ave	2.252	2.339		20.8	20.0	3.9	50.0
1,2,3-Trichlorobenzene	Ave	0.9215	0.9455		20.5	20.0	2.6	50.0
Dibromofluoromethane (Surr)	Ave	0.2486	0.2518		50.6	50.0	1.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2988	0.3137		52.5	50.0	5.0	
Toluene-d8 (Surr)	Ave	1.214	1.217		50.1	50.0	0.3	
Bromofluorobenzene	Ave	0.8301	0.8286		49.9	50.0	-0.2	

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0192.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 03-Oct-2014 07:13:30 ALS Bottle#: 1 Worklist Smp#: 2
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: CCVIS
 Misc. Info.: 460-0018861-002
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Sublist: chrom-8260W_3*sub10
 Method: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 03-Oct-2014 14:40:02 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: baronm

Date: 03-Oct-2014 14:40:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	66	1.488	1.488	0.000	91	1560	NC	NC	
1 Dichlorodifluoromethane	85	1.519	1.519	0.000	99	66681	20.0	17.0	
2 Chloromethane	50	1.731	1.731	0.000	98	53096	20.0	18.8	
4 Vinyl chloride	62	1.786	1.786	0.000	98	53146	20.0	18.4	
149 Butadiene	54	1.811	1.811	0.000	94	44749	NC	NC	
6 Bromomethane	94	2.054	2.054	0.000	99	9950	20.0	13.7	
7 Chloroethane	64	2.157	2.157	0.000	99	38716	20.0	21.4	
9 Dichlorofluoromethane	67	2.340	2.340	0.000	98	106849	NC	NC	
8 Trichlorofluoromethane	101	2.352	2.352	0.000	98	99712	20.0	18.8	
10 Pentane	72	2.388	2.388	0.000	94	17196	40.0	33.4	
11 Ethanol	46	2.553	2.553	0.000	99	15817	1000.0	975.2	
13 Ethyl ether	59	2.595	2.595	0.000	95	45720	20.0	19.3	
14 2-Methyl-1,3-butadiene	67	2.614	2.614	0.000	84	78015	20.0	16.6	
15 1,2-Dichloro-1,1,2-trifluo	67	2.644	2.644	0.000	91	62124	NC	NC	
16 1,1,2-Trichloro-1,2,2-trif	101	2.766	2.766	0.000	96	49936	20.0	18.1	
17 Acrolein	56	2.778	2.778	0.000	26	15417	40.0	39.4	
18 1,1-Dichloroethene	96	2.814	2.814	0.000	97	53580	20.0	18.5	
19 Acetone	43	2.906	2.906	0.000	85	101650	100.0	74.5	
20 Iodomethane	142	2.966	2.966	0.000	100	14529	20.0	9.87	
34 Isopropyl alcohol	45	2.997	2.997	0.000	60	37715	200.0	188.1	
21 Carbon disulfide	76	3.003	3.003	0.000	99	131097	20.0	17.4	
147 3-Chloro-1-propene	76	3.155	3.155	0.000	44	25318	20.0	19.1	
22 Cyclopentene	67	3.161	3.161	0.000	75	139130	NC	NC	
23 Methyl acetate	43	3.161	3.161	0.000	98	272512	100.0	105.0	
24 Acetonitrile	41	3.222	3.222	0.000	100	98010	200.0	194.1	
* 151 TBA-d9 (IS)	65	3.271	3.271	0.000	91	353115	1000.0	1000.0	
25 Methylene Chloride	84	3.283	3.283	0.000	87	59819	20.0	19.2	
26 2-Methyl-2-propanol	59	3.344	3.344	0.000	99	69743	200.0	180.1	
27 Methyl tert-butyl ether	73	3.453	3.453	0.000	96	181133	20.0	20.3	
29 trans-1,2-Dichloroethene	96	3.484	3.484	0.000	92	61134	20.0	18.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Acrylonitrile	53	3.569	3.569	0.000	93	244535	200.0	202.6	
32 Hexane	43	3.654	3.654	0.000	92	40897	20.0	16.3	
35 Isopropyl ether	45	3.885	3.885	0.000	94	170829	20.0	20.1	
36 1,1-Dichloroethane	63	3.922	3.922	0.000	99	102513	20.0	19.7	
37 Vinyl acetate	43	3.940	3.940	0.000	99	181846	40.0	36.4	
38 Allyl alcohol	57	3.946	3.946	0.000	38	26950	500.0	487.8	
33 2-Chloro-1,3-butadiene	88	3.970	3.970	0.000	92	53586	NC	NC	
40 Tert-butyl ethyl ether	59	4.238	4.238	0.000	89	175596	NC	NC	
41 2,2-Dichloropropane	77	4.469	4.469	0.000	95	94398	20.0	20.9	
42 cis-1,2-Dichloroethene	96	4.499	4.499	0.000	92	68409	20.0	19.6	
43 2-Butanone (MEK)	72	4.524	4.524	0.000	97	41393	100.0	90.4	
44 Ethyl acetate	70	4.530	4.530	0.000	95	12935	40.0	42.7	
39 Methyl acrylate	55	4.591	4.591	0.000	100	59153	NC	NC	
48 Propionitrile	54	4.682	4.682	0.000	98	98813	NC	NC	
45 Tetrahydrofuran	42	4.749	4.749	0.000	80	40011	40.0	36.3	
46 Chlorobromomethane	128	4.761	4.761	0.000	80	29518	20.0	19.2	
31 Methacrylonitrile	67	4.791	4.791	0.000	92	275530	NC	NC	
47 Chloroform	83	4.816	4.816	0.000	99	109078	20.0	20.0	
49 Cyclohexane	56	4.950	4.950	0.000	89	83411	20.0	19.6	
50 1,1,1-Trichloroethane	97	4.974	4.974	0.000	97	98496	20.0	19.7	
\$ 152 Dibromofluoromethane (Surr	113	4.992	4.992	0.000	95	140061	50.0	50.6	
51 Carbon tetrachloride	117	5.102	5.102	0.000	97	81886	20.0	19.6	
52 1,1-Dichloropropene	75	5.144	5.144	0.000	95	77662	20.0	19.5	
56 Isobutyl alcohol	43	5.296	5.296	0.000	96	75021	NC	NC	
53 Benzene	78	5.375	5.375	0.000	96	236697	20.0	19.6	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.394	5.394	0.000	93	174455	50.0	52.5	
142 Tert-amyl methyl ether	73	5.455	5.455	0.000	90	171860	NC	NC	
57 Isopropyl acetate	43	5.455	5.455	0.000	94	170730	20.0	20.1	
55 1,2-Dichloroethane	62	5.485	5.485	0.000	98	85723	20.0	20.4	
58 n-Heptane	57	5.558	5.558	0.000	93	35083	20.0	16.1	
* 59 Fluorobenzene	96	5.710	5.710	0.000	99	556215	50.0	50.0	
64 Ethyl acrylate	55	5.960	5.960	0.000	51	67566	20.0	18.7	
60 2,4,4-Trimethyl-1-pentene	57	5.966	5.966	0.000	92	235382	NC	NC	
62 n-Butanol	56	6.075	6.075	0.000	90	34962	500.0	417.3	
61 Trichloroethene	95	6.112	6.112	0.000	96	66337	20.0	19.4	
63 Methylcyclohexane	83	6.245	6.245	0.000	93	86725	20.0	17.5	
65 1,2-Dichloropropane	63	6.428	6.428	0.000	84	54874	20.0	19.4	
* 150 1,4-Dioxane-d8	96	6.489	6.489	0.000	96	38484	1000.0	1000.0	
66 Methyl methacrylate	100	6.525	6.525	0.000	87	43845	40.0	40.3	
67 1,4-Dioxane	88	6.544	6.544	0.000	84	16910	400.0	394.0	
68 Dibromomethane	93	6.556	6.556	0.000	90	38139	20.0	21.1	
69 n-Propyl acetate	43	6.580	6.580	0.000	98	97254	20.0	20.6	
70 Dichlorobromomethane	83	6.714	6.714	0.000	99	76191	20.0	20.4	
71 2-Nitropropane	41	7.036	7.036	0.000	84	38207	NC	NC	
72 2-Chloroethyl vinyl ether	63	7.036	7.036	0.000	66	33437	20.0	20.3	
73 Epichlorohydrin	57	7.128	7.128	0.000	98	116715	400.0	416.5	
74 cis-1,3-Dichloropropene	75	7.170	7.170	0.000	94	91805	20.0	20.0	
75 4-Methyl-2-pentanone (MIBK	43	7.316	7.316	0.000	95	308652	100.0	104.7	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	100	543966	50.0	50.1	
77 Toluene	91	7.438	7.438	0.000	94	269339	20.0	19.1	
78 trans-1,3-Dichloropropene	75	7.718	7.718	0.000	99	79592	20.0	20.4	
82 Ethyl methacrylate	69	7.742	7.742	0.000	88	79673	NC	NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
79 1,1,2-Trichloroethane	83	7.882	7.882	0.000	94	45918	20.0	19.5	
80 Tetrachloroethene	166	7.906	7.906	0.000	97	87934	20.0	20.1	
81 1,3-Dichloropropane	76	8.034	8.034	0.000	93	92571	20.0	19.8	
83 2-Hexanone	43	8.077	8.077	0.000	95	222525	100.0	98.3	
85 n-Butyl acetate	73	8.156	8.156	0.000	98	14342	20.0	19.9	
84 Chlorodibromomethane	129	8.198	8.198	0.000	98	61997	20.0	19.9	
86 Ethylene Dibromide	107	8.308	8.308	0.000	99	62393	20.0	19.9	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	85	446996	50.0	50.0	
88 Chlorobenzene	112	8.691	8.691	0.000	96	184559	20.0	19.7	
89 Ethylbenzene	106	8.752	8.752	0.000	98	98731	20.0	19.7	
90 1,1,1,2-Tetrachloroethane	131	8.764	8.764	0.000	94	66066	20.0	20.2	
91 m-Xylene & p-Xylene	106	8.855	8.855	0.000	99	121623	20.0	19.6	
93 n-Butyl acrylate	73	9.147	9.147	0.000	97	44138	20.0	20.7	
92 o-Xylene	106	9.172	9.172	0.000	95	121912	20.0	20.3	
94 Styrene	104	9.196	9.196	0.000	97	203771	20.0	20.3	
96 Amyl acetate (mixed isomer	43	9.318	9.318	0.000	92	103057	20.0	20.7	
97 Bromoform	173	9.360	9.360	0.000	98	44801	20.0	18.8	
98 Isopropylbenzene	105	9.445	9.445	0.000	96	315195	20.0	22.0	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	96	220371	50.0	49.9	
95 Camphene	41	9.622	9.622	0.000	94	23630	20.0	20.5	
100 Bromobenzene	156	9.713	9.713	0.000	89	90658	20.0	19.0	
101 1,1,2,2-Tetrachloroethane	83	9.731	9.731	0.000	97	73910	20.0	19.7	
102 N-Propylbenzene	91	9.756	9.756	0.000	99	360577	20.0	22.3	
103 1,2,3-Trichloropropane	110	9.774	9.774	0.000	95	27043	20.0	19.1	
104 trans-1,4-Dichloro-2-buten	53	9.780	9.780	0.000	88	23901	NC	NC	
143 4-Ethyltoluene	105	9.841	9.841	0.000	98	325760	NC	NC	
105 2-Chlorotoluene	91	9.847	9.847	0.000	97	243841	20.0	20.7	
106 1,3,5-Trimethylbenzene	105	9.890	9.890	0.000	94	271945	20.0	21.8	
107 4-Chlorotoluene	91	9.932	9.932	0.000	97	220100	20.0	20.3	
108 Butyl Methacrylate	87	9.950	9.950	0.000	93	80882	20.0	20.8	
109 tert-Butylbenzene	119	10.121	10.121	0.000	95	240143	20.0	22.3	
110 1,2,4-Trimethylbenzene	105	10.169	10.169	0.000	97	271756	20.0	21.5	
113 sec-Butylbenzene	105	10.285	10.285	0.000	99	327475	20.0	23.1	
114 4-Isopropyltoluene	119	10.382	10.382	0.000	98	305373	20.0	23.0	
115 1,3-Dichlorobenzene	146	10.401	10.401	0.000	98	169163	20.0	20.2	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	93	265972	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.467	10.467	0.000	97	169552	20.0	19.8	
118 Benzyl chloride	91	10.571	10.571	0.000	99	144423	20.0	21.7	
119 2,3-Dihydroindene	117	10.626	10.626	0.000	94	276455	NC	NC	
133 p-Diethylbenzene	119	10.656	10.656	0.000	95	183104	NC	NC	
120 n-Butylbenzene	91	10.674	10.674	0.000	97	302941	20.0	22.2	
121 1,2-Dichlorobenzene	146	10.741	10.741	0.000	98	155558	20.0	19.6	
132 1,2,4,5-Tetramethylbenzene	119	11.216	11.216	0.000	98	267189	NC	NC	
122 1,2-Dibromo-3-Chloropropan	75	11.307	11.307	0.000	93	14319	20.0	19.4	
145 1,3,5-Trichlorobenzene	180	11.416	11.416	0.000	97	133145	NC	NC	
123 Camphor	95	11.867	11.867	0.000	91	48913	100.0	106.3	
124 1,2,4-Trichlorobenzene	180	11.940	11.940	0.000	94	114294	20.0	20.2	
126 Hexachlorobutadiene	225	12.025	12.025	0.000	98	65207	20.0	20.6	
127 Naphthalene	128	12.177	12.177	0.000	99	248867	20.0	20.8	
128 1,2,3-Trichlorobenzene	180	12.402	12.402	0.000	95	100595	20.0	20.5	
S 130 1,2-Dichloroethene, Total	100				0			38.4	
S 131 Xylenes, Total	100				0		40.0	39.9	

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

S 139 Total BTEX

1

0

98.4

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ACROLEIN W_00025

Amount Added: 4.00

Units: uL

8260MIX1COMB_00008

Amount Added: 20.00

Units: uL

GASES Li_00072

Amount Added: 20.00

Units: uL

8260ISSUR50_00006

Amount Added: 5.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0192.D

Injection Date: 03-Oct-2014 07:13:30

Instrument ID: CVOAMS3

Operator ID: VOA GC/MS3

Lims ID: CCVIS

Worklist Smp#: 2

Client ID:

Purge Vol: 5.000 mL

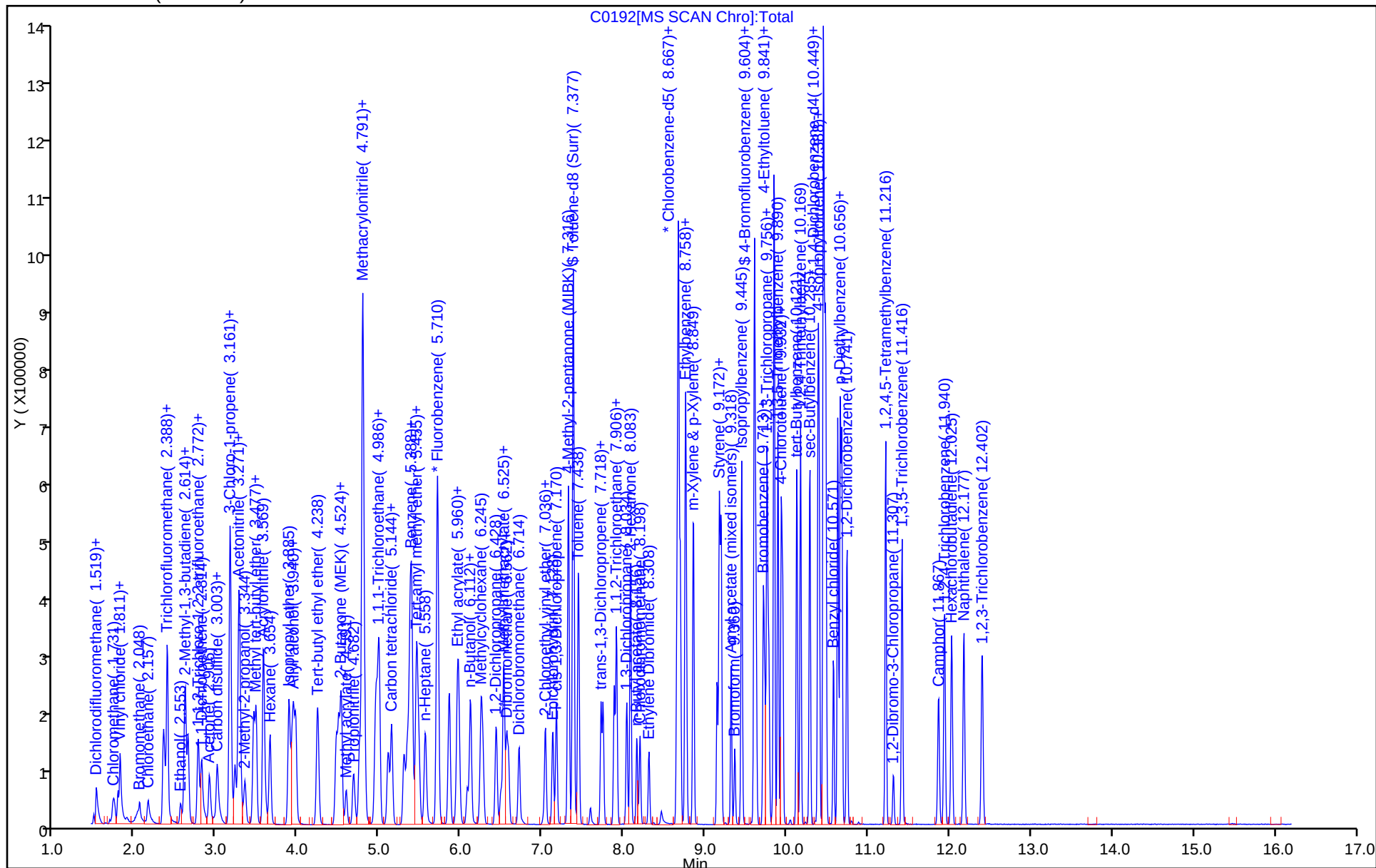
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: 8260W_3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0069.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 01-Oct-2014 02:10:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0018754-001
Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
Method: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\8260W_3.m
Limit Group: VOA 624 ICAL
Last Update: 01-Oct-2014 16:39:37 Calib Date: 01-Oct-2014 06:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: desais

Date: 01-Oct-2014 06:31:33

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

\$ 140 BFB	95	4.321	4.321	0.000	93	164482	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00005

Amount Added: 1.00

Units: uL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0069.D

Injection Date: 01-Oct-2014 02:10:30

Instrument ID: CVOAMS3

Lims ID: BFB

Client ID:

Operator ID: VOA GC/MS3

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 5.0 mL

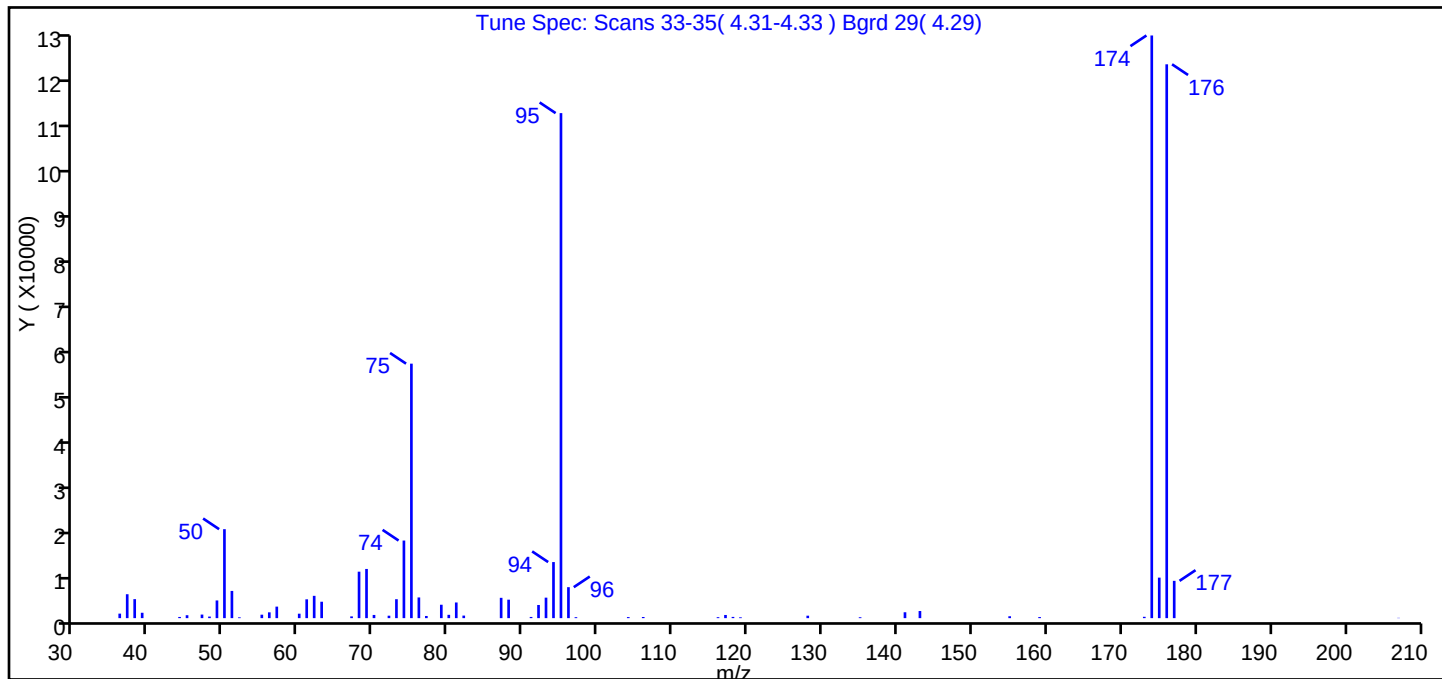
Dil. Factor: 1.0000

Method: 8260W_3

Limit Group: VOA 624 ICAL

Tune Method: BFB Method 8260

\$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.60
75	30.00 - 60.00% of mass 95	50.40
96	5.00 - 9.00% of mass 95	6.10
173	Less than 2.00% of mass 174	0.30 (0.20)
174	50.00 - 120.00% of mass 95	115.40
175	5.00 - 9.00% of mass 174	8.00 (7.00)
176	95.00 - 101.00% of mass 174	109.70 (95.10)
177	5.00 - 9.00% of mass 176	7.40 (6.70)

Data File: \\EDICHRON\ChromData\CVOAMS3\20141001-18754.b\C0069.D\8260W_3.rslt\spectra.d
Injection Date: 01-Oct-2014 02:10:30
Spectrum: Tune Spec: Scans 33-35(4.31-4.33) Bgrd 29(4.29)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	960	60.00	946	80.00	706	117.00	673
37.00	5084	61.00	4002	81.00	3330	118.00	262
38.00	4039	62.00	4742	82.00	543	119.00	173
39.00	1144	63.00	3489	87.00	4319	128.00	521
44.00	252	67.00	371	88.00	3926	135.00	188
45.00	622	68.00	9877	91.00	254	141.00	1252
47.00	759	69.00	10456	92.00	2797	143.00	1515
48.00	335	70.00	680	93.00	4356	155.00	402
49.00	3761	72.00	520	94.00	11919	159.00	230
50.00	18912	73.00	4026	95.00	107352	173.00	284
51.00	5785	74.00	16496	96.00	6583	174.00	123856
52.00	170	75.00	54096	97.00	200	175.00	8612
55.00	733	76.00	4399	104.00	223	176.00	117728
56.00	1234	77.00	461	106.00	242	177.00	7928
57.00	2449	79.00	2849	116.00	203	207.00	62

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0191.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 03-Oct-2014 06:52:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0018861-001
Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
Method: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\8260W_3.m
Limit Group: VOA 624 ICAL
Last Update: 03-Oct-2014 10:05:59 Calib Date: 01-Oct-2014 06:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D
Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK005

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 140 BFB	95	4.300	4.300	0.000	96	422609	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

BFB_00005

Amount Added: 1.00

Units: uL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0191.D

Injection Date: 03-Oct-2014 06:52:30

Instrument ID: CVOAMS3

Lims ID: BFB

Client ID:

Operator ID: VOA GC/MS3

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 5.0 mL

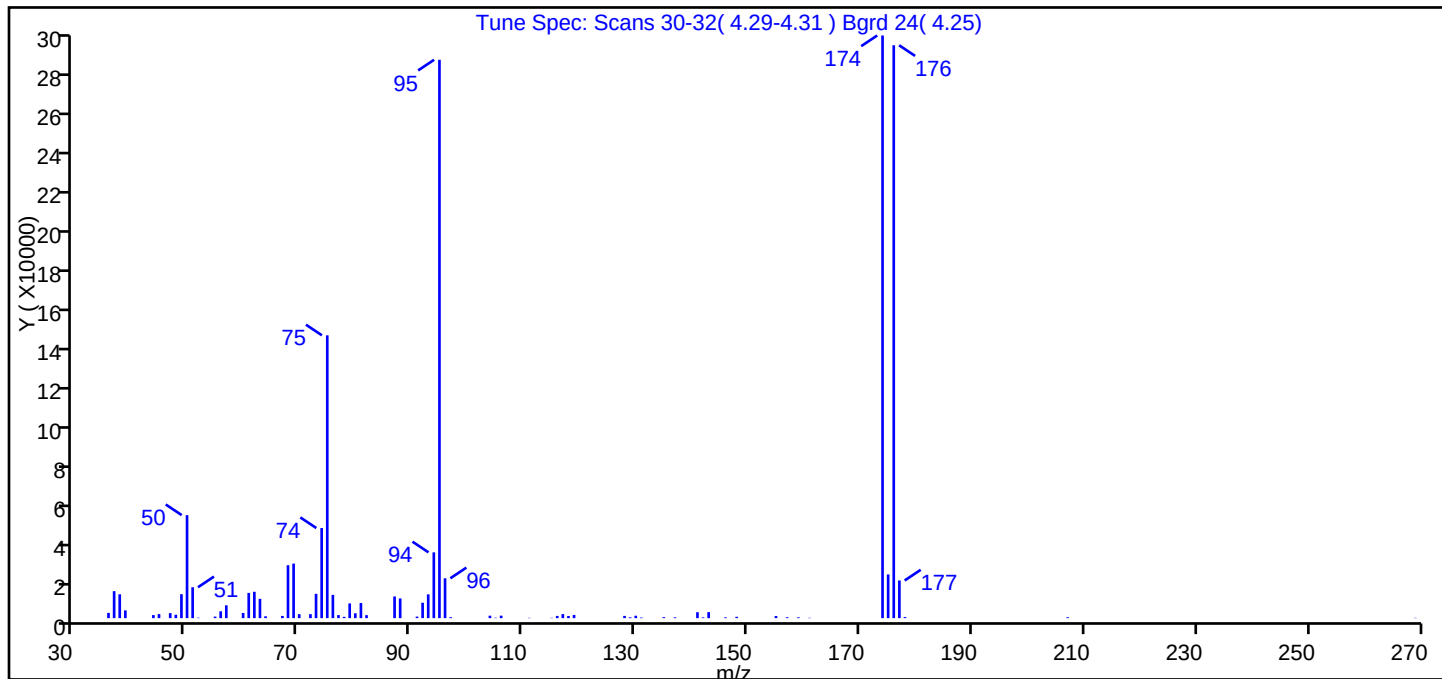
Dil. Factor: 1.0000

Method: 8260W_3

Limit Group: VOA 624 ICAL

Tune Method: BFB Method 8260

\$ 140 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.40
75	30.00 - 60.00% of mass 95	50.70
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	104.40
175	5.00 - 9.00% of mass 174	7.80 (7.50)
176	95.00 - 101.00% of mass 174	102.60 (98.30)
177	5.00 - 9.00% of mass 176	6.70 (6.60)

Data File: \\EDICHRON\ChromData\CVOAMS3\20141003-18861.b\C0191.D\8260W_3.rslt\spectra.d
Injection Date: 03-Oct-2014 06:52:30
Spectrum: Tune Spec: Scans 30-32(4.29-4.31) Bgrd 24(4.25)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 75

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2685	64.00	940	92.00	7875	135.00	501
37.00	13786	67.00	1126	93.00	12149	137.00	403
38.00	12187	68.00	27048	94.00	33616	141.00	3015
39.00	3949	69.00	27888	95.00	285312	142.00	376
44.00	1574	70.00	2028	96.00	20368	143.00	3080
45.00	2074	72.00	2039	97.00	463	146.00	410
47.00	2568	73.00	12421	104.00	1255	148.00	691
48.00	1750	74.00	46032	105.00	222	155.00	1099
49.00	12232	75.00	144512	106.00	1267	157.00	449
50.00	52640	76.00	11895	111.00	169	159.00	408
51.00	15786	77.00	1563	115.00	182	161.00	175
52.00	231	78.00	661	116.00	1132	174.00	297728
55.00	789	79.00	7536	117.00	2063	175.00	22328
56.00	3494	80.00	2479	118.00	1105	176.00	292736
57.00	6561	81.00	7729	119.00	1623	177.00	19248
60.00	2654	82.00	1537	128.00	1147	178.00	544
61.00	12901	87.00	11089	129.00	410	207.00	430
62.00	13476	88.00	10075	130.00	1235	269.00	167
63.00	9875	91.00	794	131.00	309		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-253449/6

Matrix: Water Lab File ID: C0196.D

Analysis Method: 624 Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 10/03/2014 09:13

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)

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

Analysis Batch No.: 253449 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.080	U	1.0	0.080
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
1634-04-4	MTBE	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34
71-43-2	Benzene	0.080	U	1.0	0.080
108-88-3	Toluene	0.15	U	1.0	0.15
95-47-6	o-Xylene	0.13	U	1.0	0.13
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
1330-20-7	Xylenes, Total	0.36	U	2.0	0.36
179601-23-1	m-Xylene & p-Xylene	0.25	U	1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	100		70-130
1868-53-7	Dibromofluoromethane (Surr)	98		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		79-140
2037-26-5	Toluene-d8 (Surr)	99		70-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0196.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 03-Oct-2014 09:13:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: MB
 Misc. Info.: 460-0018861-006
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Method: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 03-Oct-2014 10:05:59 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK005

First Level Reviewer: desais

Date: 03-Oct-2014 10:04:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 151 TBA-d9 (IS)	65	3.258	3.271	-0.013	87	344971	1000.0	1000.0	
\$ 152 Dibromofluoromethane (Surr	113	4.992	4.992	0.000	93	138575	50.0	49.0	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.394	5.394	0.000	89	175749	50.0	51.7	
* 59 Fluorobenzene	96	5.704	5.710	-0.006	99	569102	50.0	50.0	
* 150 1,4-Dioxane-d8	96	6.483	6.489	-0.006	97	38725	1000.0	1000.0	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	100	553144	50.0	49.7	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	85	458524	50.0	50.0	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	96	222166	50.0	49.8	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	94	268626	50.0	50.0	

Reagents:

8260ISSUR50_00006

Amount Added: 5.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0196.D

Injection Date: 03-Oct-2014 09:13:30

Instrument ID: CVOAMS3

Operator ID: VOA GC/MS3

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

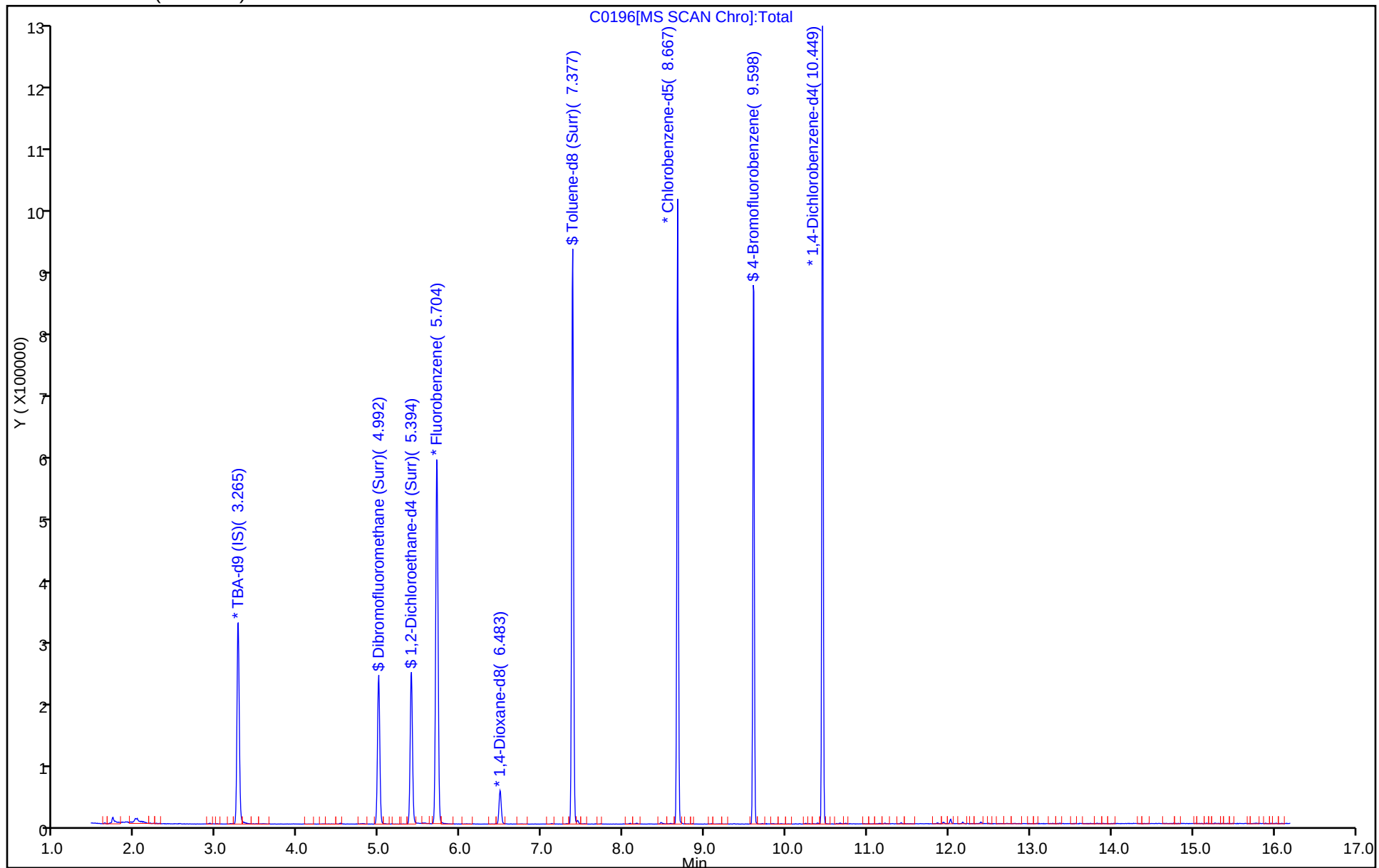
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8260W_3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-253449/3
 Matrix: Water Lab File ID: C0193.D
 Analysis Method: 624 Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 10/03/2014 07:50
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 253449 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	20.5		1.0	0.080
71-55-6	1,1,1-Trichloroethane	20.5		1.0	0.060
56-23-5	Carbon tetrachloride	20.5		1.0	0.060
127-18-4	Tetrachloroethene	20.2		1.0	0.10
1634-04-4	MTBE	20.7		1.0	0.14
106-46-7	1,4-Dichlorobenzene	20.3		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	21.1		1.0	0.34
71-43-2	Benzene	20.1		1.0	0.080
108-88-3	Toluene	19.5		1.0	0.15
95-47-6	o-Xylene	20.2		1.0	0.13
100-41-4	Ethylbenzene	20.6		1.0	0.10
1330-20-7	Xylenes, Total	40.5		2.0	0.36
179601-23-1	m-Xylene & p-Xylene	20.3		1.0	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	99		70-130
1868-53-7	Dibromofluoromethane (Surr)	102		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		79-140
2037-26-5	Toluene-d8 (Surr)	99		70-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0193.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 03-Oct-2014 07:50:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: LCS
 Misc. Info.: 460-0018861-003
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Method: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 03-Oct-2014 14:40:54 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK050

First Level Reviewer: desais

Date: 03-Oct-2014 08:31:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	66	1.488	1.488	0.000	93	3003	NC	NC	
1 Dichlorodifluoromethane	85	1.519	1.519	0.001	99	66048	20.0	17.3	
2 Chloromethane	50	1.732	1.731	0.001	99	56904	20.0	20.7	
4 Vinyl chloride	62	1.786	1.786	0.000	98	56683	20.0	20.1	
149 Butadiene	54	1.811	1.811	0.000	93	46343	NC	NC	
6 Bromomethane	94	2.054	2.054	0.000	98	13875	20.0	19.2	
7 Chloroethane	64	2.151	2.157	-0.006	100	36029	20.0	20.4	
9 Dichlorofluoromethane	67	2.340	2.340	0.000	98	107486	NC	NC	
8 Trichlorofluoromethane	101	2.346	2.352	-0.006	98	98550	20.0	19.0	
10 Pentane	72	2.389	2.388	0.001	94	16972	40.0	33.8	
11 Ethanol	46	2.553	2.553	0.000	100	16710	1000.0	1035.1	
13 Ethyl ether	59	2.595	2.595	0.000	94	45728	20.0	19.8	
14 2-Methyl-1,3-butadiene	67	2.614	2.614	0.000	85	81021	20.0	17.7	
15 1,2-Dichloro-1,1,2-trifluo	67	2.644	2.644	0.000	82	60675	NC	NC	
16 1,1,2-Trichloro-1,2,2-trif	101	2.766	2.766	0.000	94	49012	20.0	18.2	
17 Acrolein	56	2.784	2.778	0.006	96	15021	40.0	39.3	
18 1,1-Dichloroethene	96	2.814	2.814	0.000	98	53496	20.0	18.9	
19 Acetone	43	2.912	2.906	0.006	86	106056	100.0	79.6	
20 Iodomethane	142	2.967	2.966	0.001	97	21376	20.0	14.9	
34 Isopropyl alcohol	45	2.997	2.997	0.000	59	39909	200.0	199.9	
21 Carbon disulfide	76	3.003	3.003	0.000	99	138276	20.0	18.8	
147 3-Chloro-1-propene	76	3.155	3.155	0.000	44	27744	20.0	21.4	
22 Cyclopentene	67	3.161	3.161	0.000	87	142789	NC	NC	
23 Methyl acetate	43	3.161	3.161	0.000	99	276213	100.0	108.9	
24 Acetonitrile	41	3.222	3.222	0.000	99	98443	200.0	199.7	
* 151 TBA-d9 (IS)	65	3.271	3.271	0.000	93	351479	1000.0	1000.0	
25 Methylene Chloride	84	3.283	3.283	0.000	88	60810	20.0	20.0	
26 2-Methyl-2-propanol	59	3.350	3.344	0.006	99	74733	200.0	193.9	
27 Methyl tert-butyl ether	73	3.453	3.453	0.000	96	179741	20.0	20.7	
29 trans-1,2-Dichloroethene	96	3.484	3.484	0.000	93	62862	20.0	19.8	
30 Acrylonitrile	53	3.569	3.569	0.000	93	244527	200.0	207.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.654	3.654	0.000	91	40153	20.0	16.4	
35 Isopropyl ether	45	3.885	3.885	0.000	95	170039	20.0	20.4	
36 1,1-Dichloroethane	63	3.922	3.922	0.000	99	104376	20.0	20.5	
37 Vinyl acetate	43	3.940	3.940	0.000	99	171287	40.0	35.1	
38 Allyl alcohol	57	3.946	3.946	0.000	39	29317	500.0	533.1	
33 2-Chloro-1,3-butadiene	88	3.970	3.970	0.000	92	55210	NC	NC	
40 Tert-butyl ethyl ether	59	4.238	4.238	0.000	90	177309	NC	NC	
41 2,2-Dichloropropane	77	4.469	4.469	0.000	96	94612	20.0	21.4	
42 cis-1,2-Dichloroethene	96	4.500	4.499	0.001	95	67941	20.0	19.9	
43 2-Butanone (MEK)	72	4.524	4.524	0.000	97	43525	100.0	95.5	
44 Ethyl acetate	70	4.530	4.530	0.000	94	12636	40.0	42.7	
39 Methyl acrylate	55	4.591	4.591	0.000	99	59648	NC	NC	
48 Propionitrile	54	4.682	4.682	0.000	98	101033	NC	NC	
45 Tetrahydrofuran	42	4.749	4.749	0.000	90	39851	40.0	37.0	
46 Chlorobromomethane	128	4.761	4.761	0.000	84	29224	20.0	19.5	
31 Methacrylonitrile	67	4.792	4.791	0.001	92	277319	NC	NC	
47 Chloroform	83	4.816	4.816	0.000	99	109522	20.0	20.5	
49 Cyclohexane	56	4.950	4.950	0.000	90	83458	20.0	20.1	
50 1,1,1-Trichloroethane	97	4.974	4.974	0.000	98	99959	20.0	20.5	
\$ 152 Dibromofluoromethane (Surr	113	4.992	4.992	0.000	94	137100	50.0	50.8	
51 Carbon tetrachloride	117	5.102	5.102	0.000	98	83668	20.0	20.5	
52 1,1-Dichloropropene	75	5.144	5.144	0.000	94	78080	20.0	20.1	
56 Isobutyl alcohol	43	5.297	5.296	0.001	94	98749	NC	NC	
53 Benzene	78	5.376	5.375	0.001	96	240363	20.0	20.1	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.394	5.394	0.000	93	167266	50.0	51.5	
142 Tert-amyl methyl ether	73	5.455	5.455	0.000	90	175035	NC	NC	
57 Isopropyl acetate	43	5.455	5.455	0.000	96	178326	20.0	21.5	
55 1,2-Dichloroethane	62	5.485	5.485	0.000	98	84927	20.0	20.7	
58 n-Heptane	57	5.558	5.558	0.000	90	33762	20.0	15.9	
* 59 Fluorobenzene	96	5.710	5.710	0.000	99	543260	50.0	50.0	
64 Ethyl acrylate	55	5.966	5.960	0.006	85	67889	20.0	19.2	
60 2,4,4-Trimethyl-1-pentene	57	5.960	5.966	-0.006	91	233999	NC	NC	
62 n-Butanol	56	6.075	6.075	0.000	89	36923	500.0	442.7	
61 Trichloroethene	95	6.118	6.112	0.006	96	66517	20.0	19.9	
63 Methylcyclohexane	83	6.246	6.245	0.001	94	87219	20.0	18.0	
65 1,2-Dichloropropane	63	6.434	6.428	0.006	86	55768	20.0	20.2	
* 150 1,4-Dioxane-d8	96	6.489	6.489	0.000	97	39398	1000.0	1000.0	
66 Methyl methacrylate	100	6.525	6.525	0.000	87	44386	40.0	41.8	
67 1,4-Dioxane	88	6.544	6.544	0.000	85	18246	400.0	415.3	
68 Dibromomethane	93	6.556	6.556	0.000	89	39779	20.0	22.5	
69 n-Propyl acetate	43	6.586	6.580	0.006	98	98950	20.0	21.4	
70 Dichlorobromomethane	83	6.714	6.714	0.000	99	77285	20.0	21.1	
71 2-Nitropropane	41	7.036	7.036	0.000	84	38834	NC	NC	
72 2-Chloroethyl vinyl ether	63	7.036	7.036	0.000	67	34591	20.0	21.5	
73 Epichlorohydrin	57	7.128	7.128	0.000	99	125888	400.0	452.7	
74 cis-1,3-Dichloropropene	75	7.170	7.170	0.000	94	94711	20.0	20.8	
75 4-Methyl-2-pentanone (MIBK	43	7.316	7.316	0.000	96	316996	100.0	108.4	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	100	531638	50.0	49.4	
77 Toluene	91	7.438	7.438	0.000	94	272650	20.0	19.5	
78 trans-1,3-Dichloropropene	75	7.718	7.718	0.000	98	80072	20.0	20.7	
82 Ethyl methacrylate	69	7.742	7.742	0.000	89	79944	NC	NC	
79 1,1,2-Trichloroethane	83	7.882	7.882	0.000	94	47602	20.0	20.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
80 Tetrachloroethene	166	7.906	7.906	0.000	97	87813	20.0	20.2	
81 1,3-Dichloropropane	76	8.034	8.034	0.000	94	94180	20.0	20.3	
83 2-Hexanone	43	8.083	8.077	0.006	95	231957	100.0	103.2	
85 n-Butyl acetate	73	8.156	8.156	0.000	98	13835	20.0	19.3	
84 Chlorodibromomethane	129	8.198	8.198	0.000	97	61955	20.0	20.1	
86 Ethylene Dibromide	107	8.308	8.308	0.000	100	63433	20.0	20.4	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	85	443602	50.0	50.0	
88 Chlorobenzene	112	8.691	8.691	0.000	95	186969	20.0	20.1	
89 Ethylbenzene	106	8.752	8.752	0.000	98	102538	20.0	20.6	
90 1,1,1,2-Tetrachloroethane	131	8.764	8.764	0.000	93	66750	20.0	20.5	
91 m-Xylene & p-Xylene	106	8.855	8.855	0.000	99	124836	20.0	20.3	
93 n-Butyl acrylate	73	9.147	9.147	0.000	98	45525	20.0	21.6	
92 o-Xylene	106	9.172	9.172	0.000	94	120383	20.0	20.2	
94 Styrene	104	9.196	9.196	0.000	96	206900	20.0	20.8	
96 Amyl acetate (mixed isomer	43	9.318	9.318	0.000	91	107190	20.0	21.9	
97 Bromoform	173	9.360	9.360	0.000	98	45474	20.0	19.2	
98 Isopropylbenzene	105	9.446	9.445	0.001	96	320657	20.0	22.6	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	96	214918	50.0	49.4	
95 Camphene	41	9.622	9.622	0.000	93	23310	20.0	20.4	
100 Bromobenzene	156	9.713	9.713	0.000	89	93157	20.0	19.8	
101 1,1,2,2-Tetrachloroethane	83	9.731	9.731	0.000	96	73108	20.0	19.7	
102 N-Propylbenzene	91	9.756	9.756	0.000	100	365718	20.0	23.0	
103 1,2,3-Trichloropropane	110	9.774	9.774	0.000	96	27163	20.0	19.5	
104 trans-1,4-Dichloro-2-buten	53	9.780	9.780	0.000	90	24662	NC	NC	
143 4-Ethyltoluene	105	9.841	9.841	0.000	98	325941	NC	NC	
105 2-Chlorotoluene	91	9.847	9.847	0.000	97	243447	20.0	21.0	
106 1,3,5-Trimethylbenzene	105	9.890	9.890	0.000	94	268439	20.0	21.9	
107 4-Chlorotoluene	91	9.932	9.932	0.000	97	220461	20.0	20.6	
108 Butyl Methacrylate	87	9.950	9.950	0.000	92	82387	20.0	21.5	
109 tert-Butylbenzene	119	10.121	10.121	0.000	95	241826	20.0	22.8	
110 1,2,4-Trimethylbenzene	105	10.169	10.169	0.000	97	278263	20.0	22.3	
113 sec-Butylbenzene	105	10.285	10.285	0.000	98	331713	20.0	23.7	
114 4-Isopropyltoluene	119	10.382	10.382	0.000	98	310003	20.0	23.7	
115 1,3-Dichlorobenzene	146	10.401	10.401	0.000	98	170039	20.0	20.6	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	93	262250	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.468	10.467	0.001	96	171040	20.0	20.3	
118 Benzyl chloride	91	10.571	10.571	0.000	99	144878	20.0	22.1	
119 2,3-Dihydroindene	117	10.626	10.626	0.000	95	278664	NC	NC	
133 p-Diethylbenzene	119	10.656	10.656	0.000	94	189167	NC	NC	
120 n-Butylbenzene	91	10.674	10.674	0.000	97	310171	20.0	23.1	
121 1,2-Dichlorobenzene	146	10.741	10.741	0.000	98	157919	20.0	20.2	
132 1,2,4,5-Tetramethylbenzene	119	11.216	11.216	0.000	98	276433	NC	NC	
122 1,2-Dibromo-3-Chloropropan	75	11.307	11.307	0.000	93	14754	20.0	20.3	
145 1,3,5-Trichlorobenzene	180	11.417	11.416	0.001	97	135886	NC	NC	
123 Camphor	95	11.861	11.867	-0.006	91	56556	100.0	124.7	
124 1,2,4-Trichlorobenzene	180	11.940	11.940	0.000	94	117542	20.0	21.1	
126 Hexachlorobutadiene	225	12.025	12.025	0.000	98	68251	20.0	21.8	
127 Naphthalene	128	12.177	12.177	0.000	99	261981	20.0	22.2	
128 1,2,3-Trichlorobenzene	180	12.402	12.402	0.000	96	106592	20.0	22.1	
S 131 Xylenes, Total	100				0		40.0	40.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

GAS C SP_00064	Amount Added: 20.00	Units: uL	
8260 SP_00025	Amount Added: 20.00	Units: uL	
ACROLEIN SP_00025	Amount Added: 4.00	Units: uL	
8260ISSUR50_00006	Amount Added: 5.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0193.D

Injection Date: 03-Oct-2014 07:50:30

Instrument ID: CVOAMS3

Operator ID: VOA GC/MS3

Lims ID: LCS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

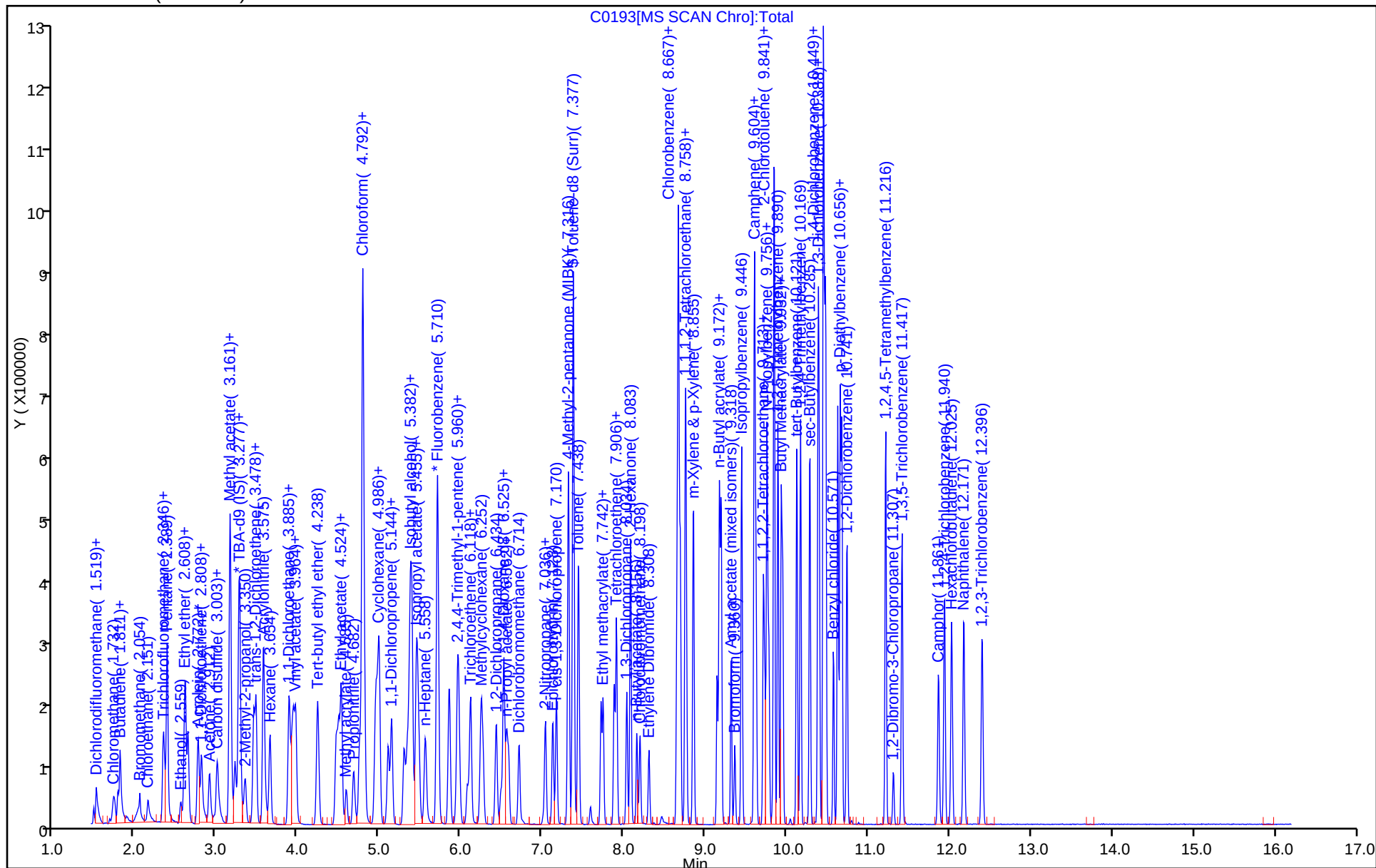
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8260W_3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-83468-B-4 MS
 Matrix: Water Lab File ID: C0222.D
 Analysis Method: 624 Date Collected: 09/24/2014 11:25
 Sample wt/vol: 5(mL) Date Analyzed: 10/03/2014 19:51
 Soil Aliquot Vol: _____ Dilution Factor: 25
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 253449 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	517		25	2.0
71-55-6	1,1,1-Trichloroethane	532		25	1.5
56-23-5	Carbon tetrachloride	532		25	1.5
127-18-4	Tetrachloroethene	523		25	2.5
1634-04-4	MTBE	541		25	3.5
106-46-7	1,4-Dichlorobenzene	516		25	5.8
120-82-1	1,2,4-Trichlorobenzene	511		25	8.5
71-43-2	Benzene	516		25	2.0
108-88-3	Toluene	503		25	3.8
95-47-6	o-Xylene	528		25	3.3
100-41-4	Ethylbenzene	530		25	2.5
1330-20-7	Xylenes, Total	1060		50	9.0
179601-23-1	m-Xylene & p-Xylene	531		25	6.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane (Surr)	101		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		79-140
2037-26-5	Toluene-d8 (Surr)	101		70-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0222.D
 Lims ID: 460-83468-B-4 MS
 Client ID:
 Sample Type: MS
 Inject. Date: 03-Oct-2014 19:51:30 ALS Bottle#: 31 Worklist Smp#: 32
 Purge Vol: 5.000 mL Dil. Factor: 25.0000
 Sample Info: 460-83468-B-4 MS
 Misc. Info.: 460-0018861-032
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Method: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 04-Oct-2014 04:10:30 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK006

First Level Reviewer: desais

Date: 04-Oct-2014 05:24:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.525	1.519	0.007	99	52653	20.0	14.8	
2 Chloromethane	50	1.744	1.731	0.013	98	51046	20.0	20.0	
4 Vinyl chloride	62	1.786	1.786	0.000	97	53423	20.0	20.4	
6 Bromomethane	94	2.066	2.054	0.012	95	13258	20.0	18.9	
7 Chloroethane	64	2.164	2.157	0.007	100	37354	20.0	22.8	
8 Trichlorofluoromethane	101	2.358	2.352	0.006	98	85056	20.0	17.7	
10 Pentane	72	2.395	2.388	0.007	94	16647	40.0	35.7	
11 Ethanol	46	2.553	2.553	0.000	99	14787	1000.0	942.4	
13 Ethyl ether	59	2.596	2.595	0.001	94	42825	20.0	19.9	
14 2-Methyl-1,3-butadiene	67	2.614	2.614	0.000	90	73000	20.0	17.2	
16 1,1,2-Trichloro-1,2,2-trif	101	2.772	2.766	0.006	92	45947	20.0	18.4	
17 Acrolein	56	2.784	2.778	0.006	45	13790	40.0	38.8	
18 1,1-Dichloroethene	96	2.815	2.814	0.001	98	49817	20.0	18.9	
19 Acetone	43	2.906	2.906	0.000	86	94730	100.0	76.6	
20 Iodomethane	142	2.967	2.966	0.001	99	16403	20.0	12.3	
34 Isopropyl alcohol	45	2.997	2.997	0.000	97	37800	200.0	194.8	
21 Carbon disulfide	76	3.009	3.003	0.006	100	119881	20.0	17.6	
147 3-Chloro-1-propene	76	3.155	3.155	0.000	26	22189	20.0	18.4	
23 Methyl acetate	43	3.161	3.161	0.000	98	239086	100.0	101.5	
24 Acetonitrile	41	3.222	3.222	0.000	98	93629	200.0	204.5	
* 151 TBA-d9 (IS)	65	3.265	3.271	-0.006	89	341621	1000.0	1000.0	
25 Methylene Chloride	84	3.283	3.283	0.000	88	55718	20.0	19.7	
26 2-Methyl-2-propanol	59	3.344	3.344	0.000	98	71944	200.0	192.1	
27 Methyl tert-butyl ether	73	3.453	3.453	0.000	96	174961	20.0	21.6	
29 trans-1,2-Dichloroethene	96	3.484	3.484	0.000	92	58809	20.0	20.0	
30 Acrylonitrile	53	3.569	3.569	0.000	94	239490	200.0	218.8	
32 Hexane	43	3.654	3.654	0.000	90	37058	20.0	16.3	
35 Isopropyl ether	45	3.885	3.885	0.000	96	164153	20.0	21.2	
36 1,1-Dichloroethane	63	3.922	3.922	0.000	99	100373	20.0	21.2	
37 Vinyl acetate	43	3.940	3.940	0.000	99	244500	40.0	53.9	
38 Allyl alcohol	57	3.940	3.946	-0.006	31	26008	500.0	486.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2,2-Dichloropropane	77	4.463	4.469	-0.006	96	72368	20.0	17.7	
42 cis-1,2-Dichloroethene	96	4.494	4.499	-0.005	94	83192	20.0	26.3	
43 2-Butanone (MEK)	72	4.524	4.524	0.000	97	41177	100.0	92.9	
44 Ethyl acetate	70	4.524	4.530	-0.006	94	12614	40.0	45.9	
45 Tetrahydrofuran	42	4.749	4.749	0.000	83	39592	40.0	39.6	
46 Chlorobromomethane	128	4.755	4.761	-0.006	82	27783	20.0	19.9	
47 Chloroform	83	4.810	4.816	-0.006	98	102380	20.0	20.7	
49 Cyclohexane	56	4.950	4.950	0.000	91	80139	20.0	20.8	
50 1,1,1-Trichloroethane	97	4.968	4.974	-0.006	97	96303	20.0	21.3	
\$ 152 Dibromofluoromethane (Surr	113	4.992	4.992	0.000	97	126384	50.0	50.4	
51 Carbon tetrachloride	117	5.108	5.102	0.006	98	80889	20.0	21.3	
52 1,1-Dichloropropene	75	5.145	5.144	0.001	94	79933	20.0	22.1	
53 Benzene	78	5.376	5.375	0.001	96	225690	20.0	20.7	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.394	5.394	0.000	94	156284	50.0	51.8	
57 Isopropyl acetate	43	5.455	5.455	0.000	97	204472	20.0	26.5	
55 1,2-Dichloroethane	62	5.479	5.485	-0.006	98	80106	20.0	21.0	
58 n-Heptane	57	5.558	5.558	0.000	96	29973	20.0	15.2	
* 59 Fluorobenzene	96	5.704	5.710	-0.006	99	504527	50.0	50.0	
64 Ethyl acrylate	55	5.960	5.960	0.000	52	64216	20.0	19.5	
62 n-Butanol	56	6.075	6.075	0.000	95	27895	500.0	344.1	
61 Trichloroethene	95	6.112	6.112	0.000	96	80933	20.0	26.1	
63 Methylcyclohexane	83	6.252	6.245	0.007	87	81744	20.0	18.2	
65 1,2-Dichloropropane	63	6.428	6.428	0.000	84	52069	20.0	20.3	
* 150 1,4-Dioxane-d8	96	6.483	6.489	-0.006	95	38085	1000.0	1000.0	
66 Methyl methacrylate	100	6.519	6.525	-0.006	88	41898	40.0	42.5	
67 1,4-Dioxane	88	6.544	6.544	0.000	85	17100	400.0	402.6	
68 Dibromomethane	93	6.556	6.556	0.000	89	35873	20.0	21.9	
69 n-Propyl acetate	43	6.580	6.580	0.000	98	87395	20.0	20.4	
70 Dichlorobromomethane	83	6.708	6.714	-0.006	99	68927	20.0	20.3	
73 Epichlorohydrin	57	7.122	7.128	-0.006	99	111596	400.0	439.6	
74 cis-1,3-Dichloropropene	75	7.170	7.170	0.000	94	87200	20.0	21.0	
75 4-Methyl-2-pentanone (MIBK	43	7.316	7.316	0.000	96	305045	100.0	114.2	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	100	494053	50.0	50.3	
77 Toluene	91	7.438	7.438	0.000	94	257103	20.0	20.1	
78 trans-1,3-Dichloropropene	75	7.718	7.718	0.000	98	77698	20.0	22.0	
79 1,1,2-Trichloroethane	83	7.876	7.882	-0.006	94	42558	20.0	20.0	
80 Tetrachloroethene	166	7.906	7.906	0.000	95	82999	20.0	20.9	
81 1,3-Dichloropropane	76	8.034	8.034	0.000	94	85983	20.0	20.3	
83 2-Hexanone	43	8.077	8.077	0.000	96	222024	100.0	108.2	
85 n-Butyl acetate	73	8.156	8.156	0.000	98	12929	20.0	19.8	
84 Chlorodibromomethane	129	8.192	8.198	-0.006	98	58498	20.0	20.8	
86 Ethylene Dibromide	107	8.302	8.308	-0.006	97	58475	20.0	20.6	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	85	404942	50.0	50.0	
88 Chlorobenzene	112	8.691	8.691	0.000	98	173595	20.0	20.4	
89 Ethylbenzene	106	8.752	8.752	0.000	98	96152	20.0	21.2	
90 1,1,1,2-Tetrachloroethane	131	8.764	8.764	0.000	94	62136	20.0	20.9	
91 m-Xylene & p-Xylene	106	8.849	8.855	-0.006	99	119213	20.0	21.2	
93 n-Butyl acrylate	73	9.141	9.147	-0.006	97	41438	20.0	21.5	
92 o-Xylene	106	9.172	9.172	0.000	95	114853	20.0	21.1	
94 Styrene	104	9.190	9.196	-0.006	96	186836	20.0	20.6	
96 Amyl acetate (mixed isomer	43	9.312	9.318	-0.006	92	97264	20.0	21.5	
97 Bromoform	173	9.360	9.360	0.000	98	40462	20.0	18.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 Isopropylbenzene	105	9.446	9.445	0.001	96	304324	20.0	23.5	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	96	197247	50.0	49.2	
95 Camphene	41	9.616	9.622	-0.006	93	18202	20.0	17.5	
100 Bromobenzene	156	9.713	9.713	0.000	89	85968	20.0	19.8	
101 1,1,2,2-Tetrachloroethane	83	9.732	9.731	0.001	97	71305	20.0	20.9	
102 N-Propylbenzene	91	9.756	9.756	0.000	100	342090	20.0	23.3	
103 1,2,3-Trichloropropane	110	9.774	9.774	0.000	96	26757	20.0	20.8	
105 2-Chlorotoluene	91	9.841	9.847	-0.006	95	231230	20.0	21.6	
106 1,3,5-Trimethylbenzene	105	9.890	9.890	0.000	94	256116	20.0	22.6	
107 4-Chlorotoluene	91	9.932	9.932	0.000	97	211159	20.0	21.4	
108 Butyl Methacrylate	87	9.951	9.950	0.001	92	75952	20.0	21.5	
109 tert-Butylbenzene	119	10.121	10.121	0.000	95	232152	20.0	23.8	
110 1,2,4-Trimethylbenzene	105	10.170	10.169	0.001	97	257831	20.0	22.4	
113 sec-Butylbenzene	105	10.279	10.285	-0.006	98	313846	20.0	24.3	
114 4-Isopropyltoluene	119	10.382	10.382	0.000	98	284042	20.0	23.5	
115 1,3-Dichlorobenzene	146	10.395	10.401	-0.006	97	156317	20.0	20.6	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	93	241652	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.468	10.467	0.001	96	160593	20.0	20.7	
118 Benzyl chloride	91	10.571	10.571	0.000	99	93546	20.0	15.5	
120 n-Butylbenzene	91	10.674	10.674	0.000	98	284663	20.0	23.0	
121 1,2-Dichlorobenzene	146	10.735	10.741	-0.006	98	144985	20.0	20.1	
122 1,2-Dibromo-3-Chloropropan	75	11.307	11.307	0.000	93	13838	20.0	20.7	
123 Camphor	95	11.861	11.867	-0.006	91	48962	100.0	117.1	
124 1,2,4-Trichlorobenzene	180	11.934	11.940	-0.006	94	104983	20.0	20.4	
126 Hexachlorobutadiene	225	12.025	12.025	0.000	98	61185	20.0	21.2	
127 Naphthalene	128	12.171	12.177	-0.006	99	233448	20.0	21.4	
128 1,2,3-Trichlorobenzene	180	12.396	12.402	-0.006	96	93080	20.0	20.9	
S 130 1,2-Dichloroethene, Total	100				0			46.2	
S 131 Xylenes, Total	100				0		40.0	42.4	
S 139 Total BTEX	1				0			104.4	

Reagents:

GAS C SP_00064	Amount Added: 20.00	Units: uL	
8260 SP_00025	Amount Added: 20.00	Units: uL	
ACROLEIN SP_00025	Amount Added: 4.00	Units: uL	
8260ISSUR50_00006	Amount Added: 5.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0222.D

Injection Date: 03-Oct-2014 19:51:30

Instrument ID: CVOAMS3

Operator ID: VOA GC/MS3

Lims ID: 460-83468-B-4 MS

Worklist Smp#: 32

Client ID:

Purge Vol: 5.000 mL

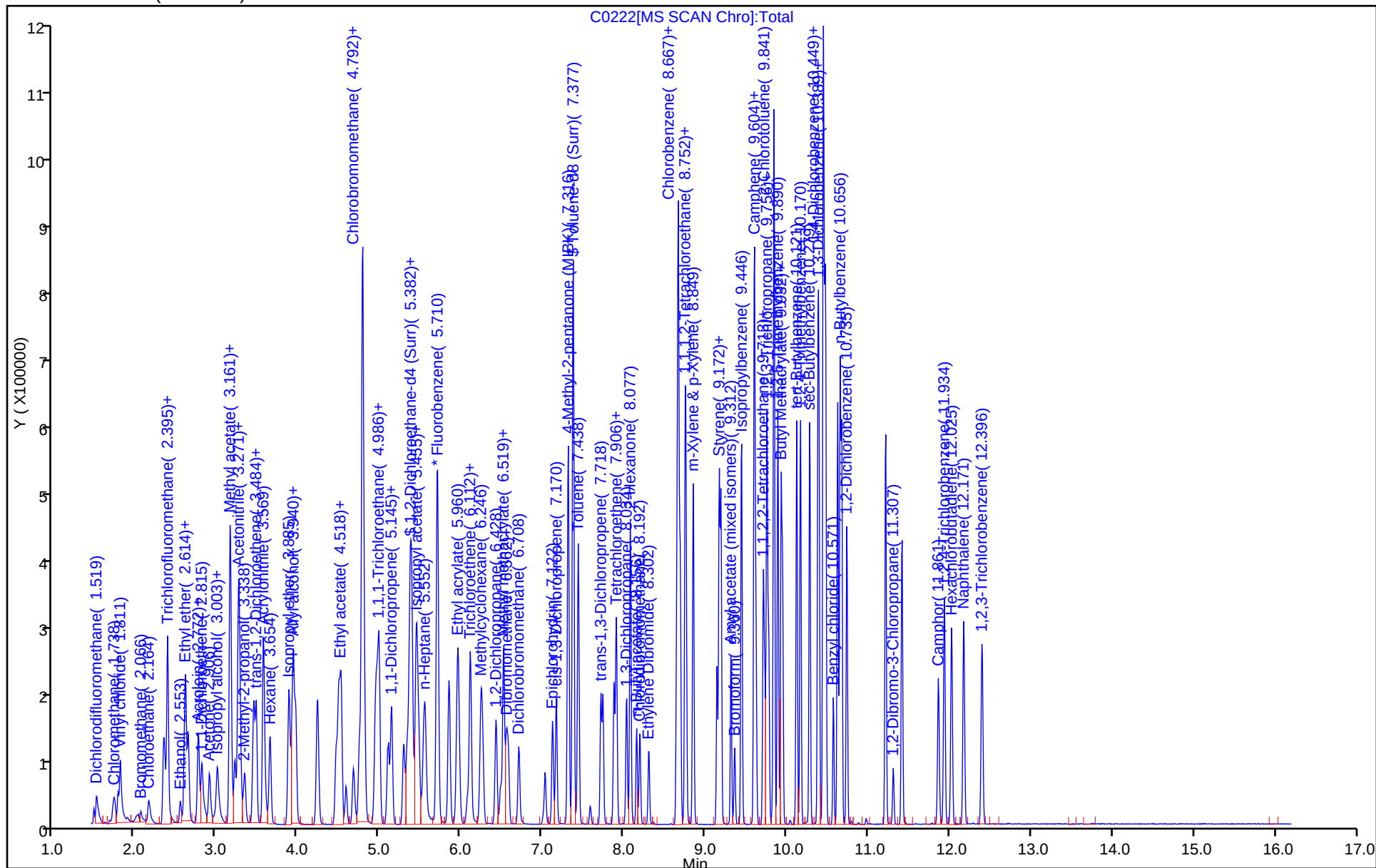
Dil. Factor: 25.0000

ALS Bottle#: 31

Method: 8260W_3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-83468-B-4 MSD
 Matrix: Water Lab File ID: C0223.D
 Analysis Method: 624 Date Collected: 09/24/2014 11:25
 Sample wt/vol: 5(mL) Date Analyzed: 10/03/2014 20:15
 Soil Aliquot Vol: _____ Dilution Factor: 25
 Soil Extract Vol.: _____ GC Column: Rtx-624 ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 253449 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	522		25	2.0
71-55-6	1,1,1-Trichloroethane	547		25	1.5
56-23-5	Carbon tetrachloride	563		25	1.5
127-18-4	Tetrachloroethene	526		25	2.5
1634-04-4	MTBE	557		25	3.5
106-46-7	1,4-Dichlorobenzene	526		25	5.8
120-82-1	1,2,4-Trichlorobenzene	531		25	8.5
71-43-2	Benzene	520		25	2.0
108-88-3	Toluene	507		25	3.8
95-47-6	o-Xylene	531		25	3.3
100-41-4	Ethylbenzene	532		25	2.5
1330-20-7	Xylenes, Total	1070		50	9.0
179601-23-1	m-Xylene & p-Xylene	541		25	6.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	Bromofluorobenzene	98		70-130
1868-53-7	Dibromofluoromethane (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		79-140
2037-26-5	Toluene-d8 (Surr)	98		70-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0223.D
 Lims ID: 460-83468-B-4 MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 03-Oct-2014 20:15:30 ALS Bottle#: 32 Worklist Smp#: 33
 Purge Vol: 5.000 mL Dil. Factor: 25.0000
 Sample Info: 460-83468-B-4 MSD
 Misc. Info.: 460-0018861-033
 Operator ID: VOA GC/MS3 Instrument ID: CVOAMS3
 Method: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\8260W_3.m
 Limit Group: VOA 624 ICAL
 Last Update: 04-Oct-2014 04:10:30 Calib Date: 01-Oct-2014 06:06:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CVOAMS3\20141001-18754.b\C0077.D
 Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
 Process Host: XAWRK006

First Level Reviewer: desais

Date: 04-Oct-2014 05:26:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Dichlorodifluoromethane	85	1.525	1.519	0.007	99	55529	20.0	16.2	
2 Chloromethane	50	1.738	1.731	0.007	99	50300	20.0	20.4	
4 Vinyl chloride	62	1.786	1.786	0.000	97	53517	20.0	21.2	
6 Bromomethane	94	2.066	2.054	0.012	96	13714	20.0	21.2	
7 Chloroethane	64	2.164	2.157	0.007	98	38644	20.0	24.4	
8 Trichlorofluoromethane	101	2.364	2.352	0.012	96	84881	20.0	18.3	
10 Pentane	72	2.395	2.388	0.007	94	17098	40.0	38.0	
11 Ethanol	46	2.547	2.553	-0.006	100	15357	1000.0	1064.4	
13 Ethyl ether	59	2.595	2.595	0.000	93	41342	20.0	20.0	
14 2-Methyl-1,3-butadiene	67	2.620	2.614	0.006	97	72800	20.0	17.8	
16 1,1,2-Trichloro-1,2,2-trif	101	2.772	2.766	0.006	95	47136	20.0	19.6	
17 Acrolein	56	2.778	2.778	0.000	41	13655	40.0	39.9	
18 1,1-Dichloroethene	96	2.814	2.814	0.000	97	42651	20.0	16.8	
19 Acetone	43	2.906	2.906	0.000	86	91006	100.0	76.3	
20 Iodomethane	142	2.967	2.966	0.001	99	23730	20.0	18.4	
34 Isopropyl alcohol	45	2.991	2.997	-0.006	97	36565	200.0	205.0	
21 Carbon disulfide	76	3.009	3.003	0.006	99	120127	20.0	18.2	
147 3-Chloro-1-propene	76	3.161	3.155	0.006	27	22491	20.0	19.4	
23 Methyl acetate	43	3.161	3.161	0.000	98	230393	100.0	101.4	
24 Acetonitrile	41	3.222	3.222	0.000	99	93579	200.0	211.9	
* 151 TBA-d9 (IS)	65	3.265	3.271	-0.006	89	314118	1000.0	1000.0	
25 Methylene Chloride	84	3.283	3.283	0.000	89	54376	20.0	20.0	
26 2-Methyl-2-propanol	59	3.338	3.344	-0.006	98	68640	200.0	199.3	
27 Methyl tert-butyl ether	73	3.453	3.453	0.000	96	173593	20.0	22.3	
29 trans-1,2-Dichloroethene	96	3.484	3.484	0.000	93	59418	20.0	20.9	
30 Acrylonitrile	53	3.569	3.569	0.000	94	229054	200.0	217.0	
32 Hexane	43	3.654	3.654	0.000	92	37040	20.0	16.9	
35 Isopropyl ether	45	3.885	3.885	0.000	95	161834	20.0	21.7	
36 1,1-Dichloroethane	63	3.922	3.922	0.000	99	97532	20.0	21.4	
37 Vinyl acetate	43	3.940	3.940	0.000	99	239804	40.0	54.9	
38 Allyl alcohol	57	3.940	3.946	-0.006	31	25953	500.0	528.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2,2-Dichloropropane	77	4.469	4.469	0.000	95	71410	20.0	18.1	
42 cis-1,2-Dichloroethene	96	4.500	4.499	0.001	99	82087	20.0	26.9	
43 2-Butanone (MEK)	72	4.524	4.524	0.000	97	39560	100.0	97.1	
44 Ethyl acetate	70	4.524	4.530	-0.006	94	11789	40.0	44.5	
45 Tetrahydrofuran	42	4.749	4.749	0.000	81	37703	40.0	39.1	
46 Chlorobromomethane	128	4.761	4.761	0.000	82	27329	20.0	20.3	
47 Chloroform	83	4.810	4.816	-0.006	99	99814	20.0	20.9	
49 Cyclohexane	56	4.950	4.950	0.000	90	79431	20.0	21.3	
50 1,1,1-Trichloroethane	97	4.974	4.974	0.000	98	95491	20.0	21.9	
\$ 152 Dibromofluoromethane (Surr	113	4.992	4.992	0.000	98	120721	50.0	49.9	
51 Carbon tetrachloride	117	5.102	5.102	0.000	98	82408	20.0	22.5	
52 1,1-Dichloropropene	75	5.144	5.144	0.000	93	77700	20.0	22.3	
53 Benzene	78	5.370	5.375	-0.005	96	220795	20.0	20.8	
\$ 54 1,2-Dichloroethane-d4 (Sur	65	5.394	5.394	0.000	94	147986	50.0	50.9	
57 Isopropyl acetate	43	5.455	5.455	0.000	92	153909	20.0	20.7	
55 1,2-Dichloroethane	62	5.479	5.485	-0.006	98	77995	20.0	21.3	
58 n-Heptane	57	5.552	5.558	-0.006	95	30143	20.0	15.8	
* 59 Fluorobenzene	96	5.710	5.710	0.000	99	486509	50.0	50.0	
64 Ethyl acrylate	55	5.960	5.960	0.000	52	67797	20.0	21.4	
62 n-Butanol	56	6.075	6.075	0.000	90	26791	500.0	359.4	
61 Trichloroethene	95	6.112	6.112	0.000	97	81540	20.0	27.3	
63 Methylcyclohexane	83	6.246	6.245	0.001	92	85605	20.0	19.8	
65 1,2-Dichloropropane	63	6.428	6.428	0.000	84	50932	20.0	20.6	
* 150 1,4-Dioxane-d8	96	6.483	6.489	-0.006	96	35238	1000.0	1000.0	
66 Methyl methacrylate	100	6.519	6.525	-0.006	87	40157	40.0	42.2	
67 1,4-Dioxane	88	6.544	6.544	0.000	85	17294	400.0	440.1	
68 Dibromomethane	93	6.556	6.556	0.000	91	36296	20.0	23.0	
69 n-Propyl acetate	43	6.580	6.580	0.000	99	85590	20.0	20.7	
70 Dichlorobromomethane	83	6.708	6.714	-0.006	99	69991	20.0	21.4	
73 Epichlorohydrin	57	7.122	7.128	-0.006	99	106168	400.0	430.7	
74 cis-1,3-Dichloropropene	75	7.170	7.170	0.000	94	83801	20.0	20.7	
75 4-Methyl-2-pentanone (MIBK	43	7.316	7.316	0.000	96	291802	100.0	112.5	
\$ 76 Toluene-d8 (Surr)	98	7.377	7.377	0.000	100	469186	50.0	49.2	
77 Toluene	91	7.438	7.438	0.000	94	251409	20.0	20.3	
78 trans-1,3-Dichloropropene	75	7.718	7.718	0.000	95	76038	20.0	22.2	
79 1,1,2-Trichloroethane	83	7.876	7.882	-0.006	94	42392	20.0	20.5	
80 Tetrachloroethene	166	7.906	7.906	0.000	95	81121	20.0	21.0	
81 1,3-Dichloropropane	76	8.034	8.034	0.000	94	81672	20.0	19.8	
83 2-Hexanone	43	8.077	8.077	0.000	95	209103	100.0	105.0	
85 n-Butyl acetate	73	8.156	8.156	0.000	99	12866	20.0	20.2	
84 Chlorodibromomethane	129	8.198	8.198	0.000	98	56230	20.0	20.6	
86 Ethylene Dibromide	107	8.302	8.308	-0.006	99	56633	20.0	20.5	
* 87 Chlorobenzene-d5	117	8.667	8.667	0.000	85	393229	50.0	50.0	
88 Chlorobenzene	112	8.691	8.691	0.000	98	171471	20.0	20.8	
89 Ethylbenzene	106	8.752	8.752	0.000	98	93660	20.0	21.3	
90 1,1,1,2-Tetrachloroethane	131	8.764	8.764	0.000	93	62174	20.0	21.6	
91 m-Xylene & p-Xylene	106	8.849	8.855	-0.006	99	117999	20.0	21.6	
93 n-Butyl acrylate	73	9.141	9.147	-0.006	98	39489	20.0	21.1	
92 o-Xylene	106	9.172	9.172	0.000	94	112290	20.0	21.3	
94 Styrene	104	9.190	9.196	-0.006	96	181607	20.0	20.6	
96 Amyl acetate (mixed isomer	43	9.312	9.318	-0.006	91	95112	20.0	21.8	
97 Bromoform	173	9.360	9.360	0.000	98	40845	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 Isopropylbenzene	105	9.446	9.445	0.001	96	295771	20.0	23.5	
\$ 99 4-Bromofluorobenzene	174	9.604	9.604	0.000	96	190392	50.0	49.1	
95 Camphene	41	9.616	9.622	-0.006	94	17433	20.0	17.2	
100 Bromobenzene	156	9.713	9.713	0.000	89	84879	20.0	20.3	
101 1,1,2,2-Tetrachloroethane	83	9.732	9.731	0.001	97	67937	20.0	20.6	
102 N-Propylbenzene	91	9.756	9.756	0.000	100	339002	20.0	23.9	
103 1,2,3-Trichloropropane	110	9.774	9.774	0.000	96	26100	20.0	21.0	
105 2-Chlorotoluene	91	9.841	9.847	-0.006	96	228667	20.0	22.2	
106 1,3,5-Trimethylbenzene	105	9.890	9.890	0.000	94	251716	20.0	23.0	
107 4-Chlorotoluene	91	9.932	9.932	0.000	97	205728	20.0	21.6	
108 Butyl Methacrylate	87	9.951	9.950	0.000	91	75830	20.0	22.3	
109 tert-Butylbenzene	119	10.121	10.121	0.000	95	224943	20.0	23.8	
110 1,2,4-Trimethylbenzene	105	10.170	10.169	0.001	97	252135	20.0	22.7	
113 sec-Butylbenzene	105	10.279	10.285	-0.006	98	312021	20.0	25.1	
114 4-Isopropyltoluene	119	10.382	10.382	0.000	98	282474	20.0	24.2	
115 1,3-Dichlorobenzene	146	10.395	10.401	-0.006	98	154222	20.0	21.0	
* 116 1,4-Dichlorobenzene-d4	152	10.449	10.449	0.000	94	233362	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.468	10.467	0.001	96	158047	20.0	21.0	
118 Benzyl chloride	91	10.571	10.571	0.000	99	89309	20.0	15.3	
120 n-Butylbenzene	91	10.674	10.674	0.000	96	285366	20.0	23.8	
121 1,2-Dichlorobenzene	146	10.735	10.741	-0.006	98	145055	20.0	20.9	
122 1,2-Dibromo-3-Chloropropan	75	11.307	11.307	0.000	93	13547	20.0	21.0	
123 Camphor	95	11.861	11.867	-0.006	90	48291	100.0	119.6	
124 1,2,4-Trichlorobenzene	180	11.934	11.940	-0.006	94	105532	20.0	21.3	
126 Hexachlorobutadiene	225	12.025	12.025	0.000	98	60802	20.0	21.9	
127 Naphthalene	128	12.171	12.177	-0.006	99	229383	20.0	21.8	
128 1,2,3-Trichlorobenzene	180	12.396	12.402	-0.006	95	92711	20.0	21.6	
S 130 1,2-Dichloroethene, Total	100				0			47.8	
S 131 Xylenes, Total	100				0		40.0	42.9	
S 139 Total BTEX	1				0			105.3	

Reagents:

GAS C SP_00064	Amount Added: 20.00	Units: uL	
8260 SP_00025	Amount Added: 20.00	Units: uL	
ACROLEIN SP_00025	Amount Added: 4.00	Units: uL	
8260ISSUR50_00006	Amount Added: 5.00	Units: uL	Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CVOAMS3\20141003-18861.b\C0223.D

Injection Date: 03-Oct-2014 20:15:30

Instrument ID: CVOAMS3

Operator ID: VOA GC/MS3

Lims ID: 460-83468-B-4 MSD

Worklist Smp#: 33

Client ID:

Purge Vol: 5.000 mL

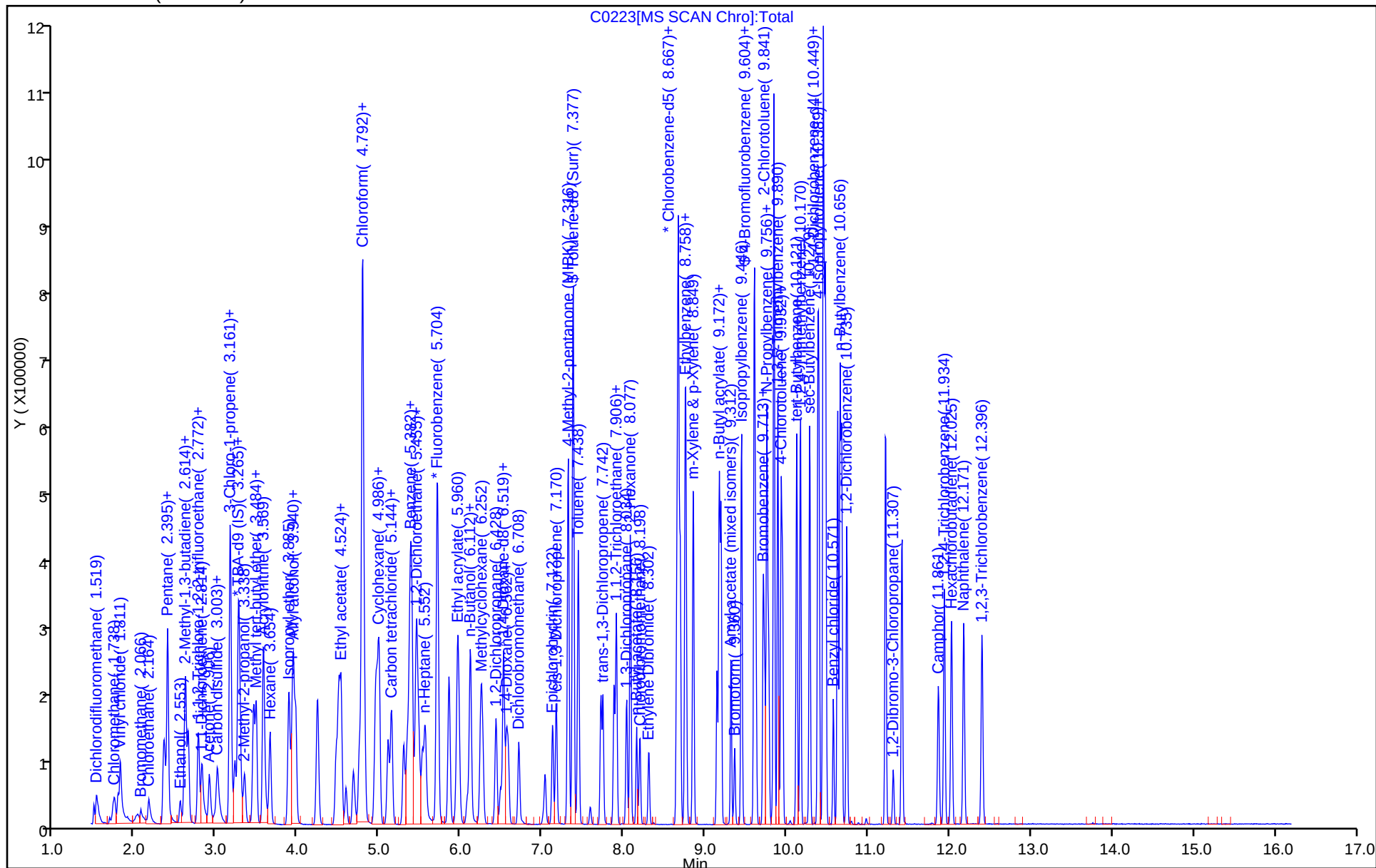
Dil. Factor: 25.0000

ALS Bottle#: 32

Method: 8260W_3

Limit Group: VOA 624 ICAL

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: CVOAMS3 Start Date: 10/01/2014 02:10Analysis Batch Number: 252857 End Date: 10/01/2014 09:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-252857/1		10/01/2014 02:10	1	C0069.D	Rtx-624 0.25 (mm)
STD20 460-252857/2 ICIS		10/01/2014 03:01	1	C0070.D	Rtx-624 0.25 (mm)
STD1 460-252857/5 IC		10/01/2014 04:29	1	C0073.D	Rtx-624 0.25 (mm)
STD5 460-252857/6 IC		10/01/2014 04:53	1	C0074.D	Rtx-624 0.25 (mm)
STD50 460-252857/7 IC		10/01/2014 05:17	1	C0075.D	Rtx-624 0.25 (mm)
STD200 460-252857/8 IC		10/01/2014 05:42	1	C0076.D	Rtx-624 0.25 (mm)
STD500 460-252857/9 IC		10/01/2014 06:06	1	C0077.D	Rtx-624 0.25 (mm)
ICV 460-252857/14		10/01/2014 09:15	1		Rtx-624 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: CVOAMS3 Start Date: 10/03/2014 06:52Analysis Batch Number: 253449 End Date: 10/04/2014 05:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-253449/1		10/03/2014 06:52	1	C0191.D	Rtx-624 0.25 (mm)
CCVIS 460-253449/2		10/03/2014 07:13	1	C0192.D	Rtx-624 0.25 (mm)
LCS 460-253449/3		10/03/2014 07:50	1	C0193.D	Rtx-624 0.25 (mm)
ZZZZZ		10/03/2014 08:14	1		Rtx-624 0.25 (mm)
MB 460-253449/6		10/03/2014 09:13	1	C0196.D	Rtx-624 0.25 (mm)
460-83468-B-4 MS		10/03/2014 19:51	25	C0222.D	Rtx-624 0.25 (mm)
460-83468-B-4 MSD		10/03/2014 20:15	25	C0223.D	Rtx-624 0.25 (mm)
ZZZZZ		10/03/2014 21:27	1		Rtx-624 0.25 (mm)
ZZZZZ		10/03/2014 21:51	1		Rtx-624 0.25 (mm)
ZZZZZ		10/03/2014 22:15	1		Rtx-624 0.25 (mm)
ZZZZZ		10/03/2014 22:39	10		Rtx-624 0.25 (mm)
ZZZZZ		10/03/2014 23:52	1		Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 00:40	1		Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 01:04	1		Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 01:28	1		Rtx-624 0.25 (mm)
460-83615-2	Effluent - Grab	10/04/2014 01:52	1	C0237.D	Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 02:16	1		Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 02:40	1		Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 03:04	1		Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 03:28	1		Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 03:53	1		Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 04:17	1		Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 04:41	1		Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 05:05	5		Rtx-624 0.25 (mm)
ZZZZZ		10/04/2014 05:29	5		Rtx-624 0.25 (mm)

Method 625

Semivolatile Organic Compounds
(GC/MS) by Method 625

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Matrix: Water Level: Low
 GC Column (1): Rtxi-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
Effluent - Composite	460-83615-1	58	39	90	84	80	97
	MB 460-252972/1-A	51	34	73	69	70	76
	LCS 460-252972/2-A	95 X	66 X	133 X	130 X	126 X	124 X
	LCSD 460-252972/3-A	96 X	67 X	137 X	133 X	131 X	127 X

	<u>QC LIMITS</u>
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C09670.D
Lab ID: LCS 460-252972/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenol	80.0	29.9	37	5-112	
Naphthalene	80.0	56.5	71	21-133	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: C09671.D
Lab ID: LCSD 460-252972/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Phenol	80.0	30.6	38	2	40	5-112	
Naphthalene	80.0	57.5	72	2	40	21-133	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab File ID: C09682.D Lab Sample ID: MB 460-252972/1-A
Matrix: Water Date Extracted: 10/01/2014 10:13
Instrument ID: CBNAMS13 Date Analyzed: 10/05/2014 12:31
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-252972/2-A	C09670.D	10/05/2014 07:34
	LCSD 460-252972/3-A	C09671.D	10/05/2014 07:58
Effluent - Composite	460-83615-1	N1128.D	10/08/2014 08:50

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab File ID: C09651.D DFTPP Injection Date: 10/04/2014
Instrument ID: CBNAMS13 DFTPP Injection Time: 20:49
Analysis Batch No.: 253756

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	39.3
68	Less than 2.0 % of mass 69	0.9 (2.0) 1
69	Mass 69 relative abundance	45.2
70	Less than 2.0 % of mass 69	0.0 (0.0) 1
127	40.0 - 60.0 % of mass 198	48.1
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	5.7
275	10.0 - 30.0 % of mass 198	26.9
365	Greater than 1.0 % of mass 198	3.2
441	Present but less than mass 443	15.4 (91.9) 3
442	Greater than 40.0 % of mass 198	90.9
443	17.0 - 23.0 % of mass 442	16.8 (18.5) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-253756/2	C09652.D	10/04/2014	21:05
	STD24 460-253756/3	C09653.D	10/04/2014	21:29
	STD16 460-253756/4	C09654.D	10/04/2014	21:52
	STD4 460-253756/5	C09655.D	10/04/2014	22:16
	STD2 460-253756/6	C09656.D	10/04/2014	22:40
	STD1 460-253756/7	C09657.D	10/04/2014	23:04
	STD02 460-253756/8	C09658.D	10/04/2014	23:27
	STD01 460-253756/9	C09659.D	10/04/2014	23:51
	LCS 460-252972/2-A	C09670.D	10/05/2014	07:34
	LCSD 460-252972/3-A	C09671.D	10/05/2014	07:58
	MB 460-252972/1-A	C09682.D	10/05/2014	12:31

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab File ID: N1097.D DFTPP Injection Date: 10/07/2014
Instrument ID: CBNAMS14 DFTPP Injection Time: 19:20
Analysis Batch No.: 254350

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	47.7
68	Less than 2.0 % of mass 69	0.5 (1.4)1
69	Mass 69 relative abundance	36.8
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	40.0 - 60.0 % of mass 198	45.4
197	Less than 1.0 % of mass 198	1.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	7.0
275	10.0 - 30.0 % of mass 198	28.8
365	Greater than 1.0 % of mass 198	2.7
441	Present but less than mass 443	15.1 (73.1)3
442	Greater than 40.0 % of mass 198	100.4
443	17.0 - 23.0 % of mass 442	20.7 (20.6)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-254350/2	N1098.D	10/07/2014	19:35
	STD24 460-254350/3	N1099.D	10/07/2014	20:02
	STD16 460-254350/4	N1100.D	10/07/2014	20:28
	STD4 460-254350/5	N1101.D	10/07/2014	20:54
	STD2 460-254350/6	N1102.D	10/07/2014	21:20
	STD1 460-254350/7	N1103.D	10/07/2014	21:46
	STD02 460-254350/8	N1104.D	10/07/2014	22:12
	STD01 460-254350/9	N1105.D	10/07/2014	22:38
Effluent - Composite	460-83615-1	N1128.D	10/08/2014	08:50

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Sample No.: ICIS 460-253756/2 Date Analyzed: 10/04/2014 21:05
Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): C09652.D Heated Purge: (Y/N) N
Calibration ID: 43169

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	896270	4.56	3246726	5.85	1672776	7.60
UPPER LIMIT	1792540	5.06	6493452	6.35	3345552	8.10
LOWER LIMIT	448135	4.06	1623363	5.35	836388	7.10
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-252972/2-A		1335535	4.56	4947037	5.85	2690267 7.60
LCSD 460-252972/3-A		1310844	4.56	4754201	5.85	2629307 7.60
MB 460-252972/1-A		1294279	4.56	4898535	5.84	2934550 7.60

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Sample No.: ICIS 460-253756/2 Date Analyzed: 10/04/2014 21:05
Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): C09652.D Heated Purge: (Y/N) N
Calibration ID: 43169

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	2329126	9.07	1399953	11.90	1063551	13.89
UPPER LIMIT	4658252	9.57	2799906	12.40	2127102	14.39
LOWER LIMIT	1164563	8.57	699977	11.40	531776	13.39
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-252972/2-A		3535589	9.07	2046485	11.90	1642828
LCSD 460-252972/3-A		3525879	9.07	2062931	11.90	1632635
MB 460-252972/1-A		4512910	9.07	2466292	11.90	1610075

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Sample No.: ICIS 460-254350/2 Date Analyzed: 10/07/2014 19:35
Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
Lab File ID (Standard): N1098.D Heated Purge: (Y/N) N
Calibration ID: 43383

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	598553	4.42	1846802	5.70	788982	7.45
UPPER LIMIT	1197106	4.92	3693604	6.20	1577964	7.95
LOWER LIMIT	299277	3.92	923401	5.20	394491	6.95
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-83615-1	Effluent - Composite		713183	4.42	2297287	5.69
					1018895	7.45

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Sample No.: ICIS 460-254350/2 Date Analyzed: 10/07/2014 19:35
 Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): N1098.D Heated Purge: (Y/N) N
 Calibration ID: 43383

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT	1093848	8.92	535839	11.72	374967	13.66
UPPER LIMIT	2187696	9.42	1071678	12.22	749934	14.16
LOWER LIMIT	546924	8.42	267920	11.22	187484	13.16
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-83615-1	Effluent - Composite		1421811	8.92	643906	11.71
					433348	13.66

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

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 I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Client Sample ID: Effluent - Composite Lab Sample ID: 460-83615-1

Matrix: Water Lab File ID: N1128.D

Analysis Method: 625 Date Collected: 09/30/2014 07:20

Extract. Method: 625 Date Extracted: 10/01/2014 10:13

Sample wt/vol: 240 (mL) Date Analyzed: 10/08/2014 08:50

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

Injection Volume: 5 (uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 254350 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	0.61	U	10	0.61
91-20-3	Naphthalene	1.9	U	10	1.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	80		46-122
367-12-4	2-Fluorophenol	58		10-65
4165-62-2	Phenol-d5	39		10-48
4165-60-0	Nitrobenzene-d5	90		56-112
321-60-8	2-Fluorobiphenyl	84		53-108
1718-51-0	Terphenyl-d14	97		50-122

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1128.D
 Lims ID: 460-83615-D-1-A Lab Sample ID: 460-83615-1
 Client ID: Effluent - Composite
 Sample Type: Client
 Inject. Date: 08-Oct-2014 08:50:30 ALS Bottle#: 32 Worklist Smp#: 32
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0019042-032
 Operator ID: BL Instrument ID: CBNAMS14
 Method: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\8270LVI_14.m
 Limit Group: SV 625 ICAL
 Last Update: 08-Oct-2014 11:52:14 Calib Date: 08-Oct-2014 01:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1111.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: croccom

Date: 08-Oct-2014 09:57:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.251	3.251	0.000	89	722400	5.80	
\$ 6 Phenol-d5	99	4.028	4.046	-0.018	89	551140	3.92	
* 14 1,4-Dichlorobenzene-d4	152	4.416	4.416	0.000	98	713183	8.00	
\$ 27 Nitrobenzene-d5	82	4.963	4.975	-0.012	92	1145565	8.99	
* 38 Naphthalene-d8	136	5.693	5.693	-0.001	100	2297287	8.00	
\$ 51 2-Fluorobiphenyl	172	6.781	6.781	0.000	98	1761949	8.42	
* 64 Acenaphthene-d10	164	7.451	7.451	0.000	95	1018895	8.00	
\$ 80 2,4,6-Tribromophenol	330	8.228	8.233	-0.005	95	201025	7.98	
* 87 Phenanthrene-d10	188	8.916	8.916	0.000	99	1421811	8.00	
\$ 96 Terphenyl-d14	244	10.498	10.498	0.000	99	895026	9.72	
* 102 Chrysene-d12	240	11.710	11.710	0.000	99	643906	8.00	
* 109 Perylene-d12	264	13.663	13.663	0.000	99	433348	8.00	

Reagents:

SM_ISTD_LVI_00048

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1128.D

Injection Date: 08-Oct-2014 08:50:30

Instrument ID: CBNAMS14

Operator ID: BL

Lims ID: 460-83615-D-1-A

Lab Sample ID: 460-83615-1

Worklist Smp#: 32

Client ID: Effluent - Composite

Injection Vol: 5.0 ul

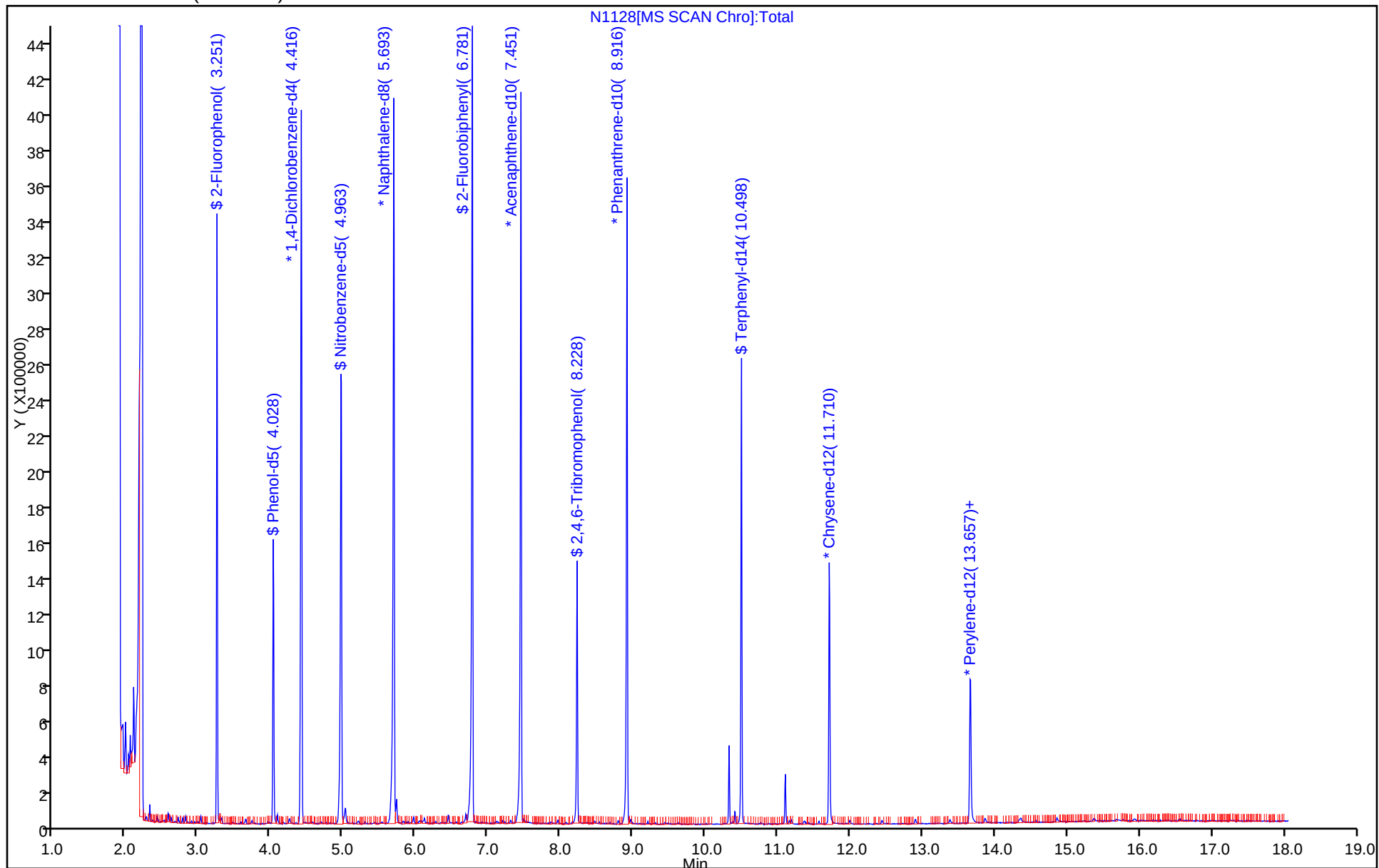
Dil. Factor: 1.0000

ALS Bottle#: 32

Method: 8270LVI_14

Limit Group: SV 625 ICAL

Column: Rtxi-5Sil MS (0.25 mm)



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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 253756

SDG No.: _____

Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2014 21:05 Calibration End Date: 10/04/2014 23:51 Calibration ID: 43169

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-253756/9	C09659.D
Level 2	STD02 460-253756/8	C09658.D
Level 3	STD1 460-253756/7	C09657.D
Level 4	STD2 460-253756/6	C09656.D
Level 5	STD4 460-253756/5	C09655.D
Level 6	ICIS 460-253756/2	C09652.D
Level 7	STD16 460-253756/4	C09654.D
Level 8	STD24 460-253756/3	C09653.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								
1,4-Dioxane	0.5192	0.5156	0.4242 0.5149	0.5284	0.4824	Ave		0.4974				7.9		35.0			
N-Nitrosodimethylamine	0.7701	0.7686	0.5696 0.7518	0.7069	0.7287	Ave		0.7160				11.0		35.0			
Pyridine	1.3181	1.3242	1.0324 1.3148	1.2641	1.2675	Ave		1.2535				8.9		35.0			
Phenol	1.7194	1.7670	1.3487 1.7731	1.6624	1.6260	Ave		1.6494				9.6		35.0			
Aniline	2.0617	2.0411	1.6716 2.0016	2.0227	1.9889	Ave		1.9646				7.4		35.0			
Bis(2-chloroethyl)ether	1.2536 1.3235	1.2398 1.3031	1.1103 1.2880	1.3237	1.2748	Ave		1.2646				5.5		35.0			
Benzonitrile	2.5503	2.4616	2.1664 2.4046	2.4792	2.6026	Ave		2.4441				6.2		35.0			
2-Chlorophenol	1.4311	1.4394	1.1709 1.4118	1.4050	1.4044	Ave		1.3771				7.4		35.0			
Decane	1.4092	1.4012	1.1564 1.4213	1.3656	1.3545	Ave		1.3514				7.3		35.0			
1,3-Dichlorobenzene	1.6204	1.6115	1.3479 1.5836	1.6172	1.5452	Ave		1.5543				6.8		35.0			
1,4-Dichlorobenzene	1.6353	1.6277	1.3496 1.6100	1.6215	1.5733	Ave		1.5696				7.0		35.0			
Benzyl alcohol	0.7886	0.8019	0.4989 0.7986	0.6582	0.7785	Ave		0.7208				17.0		35.0			
1,2-Dichlorobenzene	1.5303	1.5428	1.2862 1.4995	1.4957	1.4868	Ave		1.4736				6.4		35.0			
2-Methylphenol	1.2747	1.2738	1.0050 1.2183	1.2378	1.2202	Ave		1.2050				8.4		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 253756
SDG No.: _____
Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 10/04/2014 21:05 Calibration End Date: 10/04/2014 23:51 Calibration ID: 43169

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.6775	1.6705	1.4073 1.6574	1.6587	1.6166	Ave		1.6147				6.4		35.0			
N-Methylaniline	2.1144	2.0469	1.7346 1.9766	2.0245	2.1360	Ave		2.0055				7.2		35.0			
N-Nitrosodi-n-propylamine	0.9278 1.0335	0.9602 1.0248	0.8757 0.9692	1.0099	0.9986	Ave		0.9750			0.0500	5.5		35.0			
4-Methylphenol	1.4883	1.4357	1.2007 1.4150	1.4361	1.4114	Ave		1.3979				7.2		35.0			
Acetophenone	1.9012	1.8969	1.6588 1.8215	1.9279	1.8165	Ave		1.8371				5.4		35.0			
Hexachloroethane	0.6547 0.6570	0.5772 0.6563	0.5463 0.6520	0.6498	0.6327	Ave		0.6282				6.8		35.0			
n,n'-Dimethylaniline	2.0619 2.2723	2.1587 2.1957	1.9203 2.1363	2.1425	2.2926	Ave		2.1476				5.5		35.0			
Nitrobenzene	0.5123 0.5754	0.5195 0.5658	0.4623 0.5582	0.5390	0.5548	Ave		0.5359				6.9		35.0			
Isophorone	0.6937	0.6762	0.5829 0.6401	0.6939	0.6651	Ave		0.6586				6.4		35.0			
2-Nitrophenol	0.2182	0.2147	0.1794 0.2100	0.2124	0.2077	Ave		0.2071				6.8		35.0			
2,4-Dimethylphenol	0.3337	0.3280	0.2744 0.3222	0.3323	0.3230	Ave		0.3189				7.0		35.0			
Bis(2-chloroethoxy)methane	0.4087	0.4060	0.3493 0.3904	0.3891	0.3872	Ave		0.3885				5.5		35.0			
2,4-Dichlorophenol	0.3199	0.3114	0.2601 0.3018	0.3055	0.3057	Ave		0.3007				6.9		35.0			
1,2,4-Trichlorobenzene	0.3921 0.3621	0.3173 0.3579	0.2920 0.3517	0.3579	0.3464	Ave		0.3472				8.7		35.0			
Naphthalene	1.1059	1.0656	0.9084 0.9886	1.0663	1.0482	Ave		1.0305				6.9		35.0			
4-Chloroaniline	0.4488	0.4395	0.3673 0.4239	0.4421	0.4364	Ave		0.4263				7.1		35.0			
Hexachlorobutadiene	0.2234	0.2023 0.2217	0.1821 0.2197	0.2115	0.2101	Ave		0.2101				6.9		35.0			
Caprolactam	0.0755	0.0813	0.0710 0.0858	0.0795	0.0897	Ave		0.0805				8.4		35.0			
4-Chloro-3-methylphenol	0.3073	0.2961	0.2622 0.2837	0.3014	0.3032	Ave		0.2923				5.8		35.0			
2-Methylnaphthalene	0.7272	0.7157	0.6069 0.6860	0.7263	0.7146	Ave		0.6961				6.6		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 253756

SDG No.: _____

Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2014 21:05 Calibration End Date: 10/04/2014 23:51 Calibration ID: 43169

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.6798	0.6582	0.5750 0.6326	0.6901	0.6671	Ave		0.6505				6.4		35.0			
Hexachlorocyclopentadiene	0.5248	0.5367	0.3627 0.5308	0.4528	0.4783	Ave		0.4810			0.0500	14.0		35.0			
1,2,4,5-Tetrachlorobenzene	0.7029	0.6938	0.5146 0.6800	0.6499	0.6542	Ave		0.6492				11.0		35.0			
2,4,6-Trichlorophenol	0.4326	0.4175	0.3197 0.4064	0.4114	0.4003	Ave		0.3980				10.0		35.0			
2,4,5-Trichlorophenol	0.4498	0.4477	0.3533 0.4193	0.4389	0.4199	Ave		0.4215				8.5		35.0			
Diphenyl	1.6413	1.5863	1.2547 1.5308	1.5417	1.5331	Ave		1.5147				8.9		35.0			
2-Chloronaphthalene	1.2531	1.2186	0.9926 1.1835	1.1781	1.1780	Ave		1.1673				7.8		35.0			
Diphenyl ether	0.8725	0.8174	0.6451 0.8008	0.7710	0.8229	Ave		0.7883				9.8		35.0			
2-Nitroaniline	0.3864	0.3444	0.3586 0.3456	0.4283	0.4350	Ave		0.3830				11.0		35.0			
Dimethylnaphthalene, total	1.0480	0.9815	0.7813 0.9545	0.9501	1.0215	Ave		0.9562				9.8		35.0			
Dimethyl phthalate	1.2777	1.2225	1.0837 1.1742	1.2746	1.2510	Ave		1.2140				6.1		35.0			
Coumarin	0.2072	0.1922	0.1936 0.1805	0.2130	0.2160	Ave		0.2004				6.9		35.0			
2,6-Dinitrotoluene	0.3117	0.2521 0.2990	0.2503 0.2876	0.2981	0.2980	Ave		0.2852				8.5		35.0			
Acenaphthylene	1.9141	1.8731	1.5709 1.7763	1.8901	1.8488	Ave		1.8122				7.0		35.0			
3-Nitroaniline	0.3160	0.3067	0.2626 0.2838	0.3130	0.3030	Ave		0.2975				6.9		35.0			
Acenaphthene	1.2078	1.1393	0.9740 1.0830	1.1455	1.1043	Ave		1.1090				7.1		35.0			
2,4-Dinitrophenol	0.1745	0.1788	0.0567 0.1792	0.1088	0.1384	Qua	-0.332	0.1926	-0.000130		0.0500				1.0000		0.9900
4-Nitrophenol	0.2057	0.1959	0.1204 0.1915	0.1709	0.1824	Ave		0.1778			0.0500	17.0		35.0			
2,4-Dinitrotoluene	0.3873	0.3264 0.3661	0.3308 0.3469	0.3827	0.3820	Ave		0.3603				7.1		35.0			
Dibenzofuran	1.6909	1.6245	1.4108 1.5336	1.6483	1.6235	Ave		1.5886				6.4		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 253756

SDG No.: _____

Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2014 21:05 Calibration End Date: 10/04/2014 23:51 Calibration ID: 43169

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,3,4,6-Tetrachlorophenol	0.3371	0.3271	0.2496 0.3100	0.3153	0.3120	Ave		0.3085				9.9		35.0			
Diethyl phthalate	1.2257	1.1806	1.0781 1.1107	1.2511	1.2123	Ave		1.1764				5.8		35.0			
4-Chlorophenyl phenyl ether	0.6754	0.6557	0.5593 0.6203	0.6588	0.6481	Ave		0.6362				6.6		35.0			
Fluorene	1.3197	1.2667	1.1049 1.2161	1.3097	1.2670	Ave		1.2473				6.3		35.0			
4-Nitroaniline	0.2771	0.2688	0.2321 0.2115	0.2700	0.2758	Ave		0.2559				11.0		35.0			
4,6-Dinitro-2-methylphenol	0.1565	0.1575	0.0914 0.1619	0.1286	0.1396	Ave		0.1392				19.0		35.0			
N-Nitrosodiphenylamine	0.5957	0.5765	0.4853 0.5967	0.5380	0.6065	Ave		0.5664				8.2		35.0			
1,2-Diphenylhydrazine	0.9508	0.9309	0.7303 0.9445	0.8846	0.8721	Ave		0.8855				9.3		35.0			
4-Bromophenyl phenyl ether	0.2678	0.2678	0.2070 0.2670	0.2590	0.2555	Ave		0.2540				9.3		35.0			
Hexachlorobenzene	0.2735 0.2933	0.2537 0.2943	0.2363 0.2924	0.2797	0.2746	Ave		0.2747				7.5		35.0			
Atrazine	0.2107	0.1993	0.1679 0.2010	0.1837	0.2200	Ave		0.1971				9.5		35.0			
Pentachlorophenol	0.1569	0.1626	0.0669 0.1691	0.1120	0.1270	Ave		0.1324				29.0		35.0			
n-Octadecane	0.6404	0.6434	0.4432 0.6612	0.5569	0.5582	Ave		0.5839				14.0		35.0			
Phenanthrene	1.1435	1.1140	0.9185 1.1045	1.1210	1.0999	Ave		1.0836				7.6		35.0			
Anthracene	1.1879	1.1423	0.9530 1.1348	1.1336	1.1330	Ave		1.1141				7.3		35.0			
Carbazole	0.9625	0.9203	0.7989 0.9248	0.9528	0.9447	Ave		0.9173				6.6		35.0			
Di-n-butyl phthalate	1.2087	1.1696	0.9691 1.1480	1.1459	1.1819	Ave		1.1372				7.5		35.0			
Fluoranthene	1.0300	0.9834	0.8719 0.9671	1.0041	1.0167	Ave		0.9789				5.8		35.0			
Benzidine	0.3876	0.3447	0.3043 0.3428	0.3554	0.3765	Ave		0.3519				8.3		35.0			
Pyrene	1.6831	1.5977	1.4360 1.4994	1.7035	1.6075	Ave		1.5879				6.5		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 253756

SDG No.: _____

Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2014 21:05 Calibration End Date: 10/04/2014 23:51 Calibration ID: 43169

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Butyl benzyl phthalate	0.6264	0.5945	0.4978 0.5846	0.5837	0.5844	Ave		0.5786				7.4		35.0			
2,3,7,8-TCDD	0.1682					Ave		0.1682						35.0			
Carbamazepine	0.4430	0.4331	0.2564 0.4433	0.3200	0.3771	Lin	-0.233	0.4526							1.0000		0.9900
3,3'-Dichlorobenzidine	0.4119	0.3958	0.2965 0.4203	0.3310	0.3883	Lin	-0.163	0.4216							0.9990		0.9900
Benzo[a]anthracene	1.3200 1.1952	1.1963 1.1513	0.9918 1.1314	1.1848	1.1403	Ave		1.1639				7.8		35.0			
Bis(2-ethylhexyl) phthalate	0.8284	0.8118	0.5970 0.7955	0.7562	0.7670	Qua	-0.293	0.8810	-0.003060						1.0000		0.9900
Chrysene	1.1121	1.0598	0.8950 1.0327	1.0676	1.0587	Ave		1.0376				7.2		35.0			
Di-n-octyl phthalate	1.6206	1.4794	1.3328 1.4372	1.5751	1.5158	Ave		1.4935				6.9		35.0			
Benzo[b]fluoranthene	1.2710 1.2812	1.0910 1.2221	1.0350 1.2059	1.2079	1.1920	Ave		1.1883				7.1		35.0			
Benzo[k]fluoranthene	1.2203 1.3065	1.1184 1.2116	1.0837 1.1437	1.2864	1.2843	Ave		1.2069				7.0		35.0			
Benzo[a]pyrene	0.9962 1.2330	0.9918 1.1377	0.9371 1.1286	1.1344	1.1217	Ave		1.0851				9.1		35.0			
Indeno[1,2,3-cd]pyrene	0.8616 1.1590	0.8273 1.1820	0.7899 1.1975	0.9687	0.9489	Ave		0.9919				17.0		35.0			
Dibenz(a,h)anthracene	0.8370 1.1324	0.8843 1.1240	0.8255 1.1298	0.9971	1.0013	Ave		0.9914				13.0		35.0			
Benzo[g,h,i]perylene	1.1244	1.1405	0.8160 1.1509	0.9439	0.9809	Ave		1.0261				13.0		35.0			
2-Fluorophenol	1.2674	1.3421	0.9357 1.4931	1.1190	1.1574	Ave		1.2191				16.0		35.0			
Phenol-d5	1.6391	1.6650	1.2523 1.8085	1.5969	1.5051	Ave		1.5778				12.0		35.0			
Nitrobenzene-d5	0.3748 0.4182	0.4018 0.4240	0.3343 0.4618	0.3889	0.3792	Ave		0.3979				9.6		35.0			
2-Fluorobiphenyl	1.3627 1.5077	1.4087 1.5258	1.1606 1.6259	1.3907	1.3657	Ave		1.4185				9.8		35.0			
2,4,6-Tribromophenol	0.2088	0.2115	0.1604 0.2242	0.1925	0.1973	Ave		0.1991				11.0		35.0			
Terphenyl-d14	1.0847 1.1546	1.0682 1.1436	0.9500 1.1955	1.1170	1.0565	Ave		1.0962				6.9		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 253756

SDG No.: _____

Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2014 21:05 Calibration End Date: 10/04/2014 23:51 Calibration ID: 43169

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-253756/9	C09659.D
Level 2	STD02 460-253756/8	C09658.D
Level 3	STD1 460-253756/7	C09657.D
Level 4	STD2 460-253756/6	C09656.D
Level 5	STD4 460-253756/5	C09655.D
Level 6	ICIS 460-253756/2	C09652.D
Level 7	STD16 460-253756/4	C09654.D
Level 8	STD24 460-253756/3	C09653.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	581664	924067	59147 1379520	130300	232186	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodimethylamine	DCB	Ave	862780	1377608	79424 2014172	174333	350734	10.0	16.0	1.00 24.0	2.00	4.00
Pyridine	DCB	Ave	1476666	2373427	143969 3522692	311736	610027	10.0	16.0	1.00 24.0	2.00	4.00
Phenol	DCB	Ave	1926284	3167094	188071 4750563	409948	782584	10.0	16.0	1.00 24.0	2.00	4.00
Aniline	DCB	Ave	2309849	3658389	233096 5362715	498801	957244	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethyl)ether	DCB	Ave	15962 1482713	31043 2335634	154822 3450714	326429	613556	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzonitrile	DCB	Ave	2857193	4411983	302106 6442231	611381	1252623	10.0	16.0	1.00 24.0	2.00	4.00
2-Chlorophenol	DCB	Ave	1603343	2579873	163285 3782523	346464	675904	10.0	16.0	1.00 24.0	2.00	4.00
Decane	DCB	Ave	1578809	2511494	161263 3807996	336760	651903	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dichlorobenzene	DCB	Ave	1815427	2888391	187965 4242859	398792	743700	10.0	16.0	1.00 24.0	2.00	4.00
1,4-Dichlorobenzene	DCB	Ave	1832048	2917360	188199 4313411	399860	757227	10.0	16.0	1.00 24.0	2.00	4.00
Benzyl alcohol	DCB	Ave	883499	1437234	69577 2139634	162315	374706	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Dichlorobenzene	DCB	Ave	1714405	2765223	179363 4017558	368850	715577	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylphenol	DCB	Ave	1428137	2283104	140148 3263998	305251	587246	10.0	16.0	1.00 24.0	2.00	4.00
2,2'-oxybis[1-chloropropane]	DCB	Ave	1879361	2994093	196251 4440599	409031	778071	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 253756

SDG No.: _____

Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2014 21:05 Calibration End Date: 10/04/2014 23:51 Calibration ID: 43169

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Methylaniline	DCB	Ave	2368794	3668768	241887 5295670	499238	1028047	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodi-n-propylamine	DCB	Ave	11813 1157830	24042 1836858	122116 2596636	249039	480634	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
4-Methylphenol	DCB	Ave	1667443	2573246	167440 3790964	354153	679282	10.0	16.0	1.00 24.0	2.00	4.00
Acetophenone	DCB	Ave	2129964	3399890	231311 4880259	475425	874243	10.0	16.0	1.00 24.0	2.00	4.00
Hexachloroethane	DCB	Ave	8336 736021	14452 1176218	76180 1746740	160233	304534	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
n,n'-Dimethylaniline	DCB	Ave	26254 2545759	54050 3935420	267780 5723655	528352	1103408	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene	NPT	Ave	24635 2335196	48940 3679500	242596 5321270	498629	988667	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Isophorone	NPT	Ave	2815371	4397356	305876 6101730	641968	1185277	10.0	16.0	1.00 24.0	2.00	4.00
2-Nitrophenol	NPT	Ave	885647	1396427	94157 2002076	196474	370112	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	1354180	2132848	144005 3071241	307425	575573	10.0	16.0	1.00 24.0	2.00	4.00
Bis (2-chloroethoxy)methane	NPT	Ave	1658816	2640139	183323 3721217	360003	689979	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dichlorophenol	NPT	Ave	1298128	2025062	136504 2876871	282627	544805	10.0	16.0	1.00 24.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	18854 1469367	29895 2327581	153237 3352980	331095	617237	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Naphthalene	NPT	Ave	4488035	6929939	476695 9424028	986439	1867896	10.0	16.0	1.00 24.0	2.00	4.00
4-Chloroaniline	NPT	Ave	1821593	2858086	192741 4041119	408979	777652	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	906566	1441430	19059 2094130	195671	374386	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Caprolactam	NPT	Ave	306477	528990	37277 818334	73572	159814	10.0	16.0	1.00 24.0	2.00	4.00
4-Chloro-3-methylphenol	NPT	Ave	1247159	1925473	137601 2704805	278842	540391	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	2951191	4654231	318473 6539175	671880	1273455	10.0	16.0	1.00 24.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	2759020	4280169	301753 6030351	638413	1188888	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Ave	1097285	1794809	110517 2562557	232132	459036	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 253756

SDG No.: _____

Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2014 21:05 Calibration End Date: 10/04/2014 23:51 Calibration ID: 43169

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	1469748	2320056	156809 3283075	333184	627854	10.0	16.0	1.00 24.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Ave	904567	1396154	97416 1962225	210930	384164	10.0	16.0	1.00 24.0	2.00	4.00
2,4,5-Trichlorophenol	ANT	Ave	940444	1497116	107670 2024515	225002	403027	10.0	16.0	1.00 24.0	2.00	4.00
Diphenyl	ANT	Ave	3431960	5304875	382328 7390270	790397	1471361	10.0	16.0	1.00 24.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	2620274	4075318	302470 5713862	604009	1130540	10.0	16.0	1.00 24.0	2.00	4.00
Diphenyl ether	ANT	Ave	1824292	2733516	196565 3865878	395249	789764	10.0	16.0	1.00 24.0	2.00	4.00
2-Nitroaniline	ANT	Ave	807909	1151570	109281 1668279	219572	417494	10.0	16.0	1.00 24.0	2.00	4.00
Dimethylnaphthalene, total	ANT	Ave	2191362	3282337	238084 4607937	487120	980358	10.0	16.0	1.00 24.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	2671632	4088289	330217 5668961	653457	1200616	10.0	16.0	1.00 24.0	2.00	4.00
Coumarin	NPT	Ave	840715	1249762	101620 1720448	197058	384854	10.0	16.0	1.00 24.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Ave	651722	13441 999787	76259 1388342	152843	285956	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acenaphthylene	ANT	Ave	4002393	6263806	478690 8575586	969024	1774332	10.0	16.0	1.00 24.0	2.00	4.00
3-Nitroaniline	ANT	Ave	660813	1025549	80024 1370085	160463	290757	10.0	16.0	1.00 24.0	2.00	4.00
Acenaphthene	ANT	Ave	2525402	3810026	296815 5228643	587284	1059758	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dinitrophenol	ANT	Qua	729625	1195827	34544 1729954	111535	265579	20.0	32.0	2.00 48.0	4.00	8.00
4-Nitrophenol	ANT	Ave	860276	1309910	73355 1848628	175250	350121	20.0	32.0	2.00 48.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Ave	809904	17403 1224314	100807 1674925	196201	366628	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenzofuran	ANT	Ave	3535535	5432657	429916 7404074	845037	1558050	10.0	16.0	1.00 24.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	704862	1093833	76053 1496413	161646	299467	10.0	16.0	1.00 24.0	2.00	4.00
Diethyl phthalate	ANT	Ave	2562849	3948168	328519 5362017	641398	1163496	10.0	16.0	1.00 24.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	1412206	2192822	170435 2994509	337734	621940	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 253756

SDG No.: _____

Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2014 21:05 Calibration End Date: 10/04/2014 23:51 Calibration ID: 43169

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Fluorene	ANT	Ave	2759370	4236117	336677 5870943	671476	1215990	10.0	16.0	1.00 24.0	2.00	4.00
4-Nitroaniline	ANT	Ave	579454	899007	70723 1021085	138422	264675	10.0	16.0	1.00 24.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Ave	911280	1418767	85165 2002317	193512	391585	20.0	32.0	2.00 48.0	4.00	8.00
N-Nitrosodiphenylamine	PHN	Ave	1734218	2596715	226227 3690291	404880	850610	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	2768043	4193174	340410 5841336	665731	1223105	10.0	16.0	1.00 24.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	779771	1206378	96503 1651548	194913	358407	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	11944 853836	20826 1325432	110168 1808769	210502	385168	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Atrazine	PHN	Ave	613377	897606	78285 1243139	138259	308511	10.0	16.0	1.00 24.0	2.00	4.00
Pentachlorophenol	PHN	Ave	913759	1464438	62382 2091274	168583	356284	20.0	32.0	2.00 48.0	4.00	8.00
n-Octadecane	PHN	Ave	1864401	2898143	206593 4089481	419115	782953	10.0	16.0	1.00 24.0	2.00	4.00
Phenanthrene	PHN	Ave	3329131	5017590	428137 6831033	843679	1542719	10.0	16.0	1.00 24.0	2.00	4.00
Anthracene	PHN	Ave	3458557	5144975	444230 7018614	853157	1589072	10.0	16.0	1.00 24.0	2.00	4.00
Carbazole	PHN	Ave	2802214	4145237	372378 5719636	717049	1324975	10.0	16.0	1.00 24.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	3519077	5268307	451706 7100548	862376	1657629	10.0	16.0	1.00 24.0	2.00	4.00
Fluoranthene	PHN	Ave	2998635	4429476	406417 5981623	755704	1426022	10.0	16.0	1.00 24.0	2.00	4.00
Benzidine	PHN	Ave	1128487	1552649	141852 2120162	267430	528051	10.0	16.0	1.00 24.0	2.00	4.00
Pyrene	CRY	Ave	2945395	4325880	401428 5878691	771009	1425262	10.0	16.0	1.00 24.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	1096164	1609636	139165 2292064	264198	518124	10.0	16.0	1.00 24.0	2.00	4.00
2,3,7,8-TCDD	CRY	Ave	2944					0.100				
Carbamazepine	CRY	Lin	775159	1172582	71687 1738030	144846	334325	10.0	16.0	1.00 24.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Lin	720716	1071607	82877 1648059	149814	344294	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 253756

SDG No.: _____

Instrument ID: CBNAMS13 GC Column: Rtxi-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/04/2014 21:05 Calibration End Date: 10/04/2014 23:51 Calibration ID: 43169

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzo[a]anthracene	CRY	Ave	33696 2091581	57505 3117151	277262 4435969	536264	1011082	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Qua	1449605	2198095	166886 3118794	342279	680083	10.0	16.0	1.00 24.0	2.00	4.00
Chrysene	CRY	Ave	1946035	2869426	250190 4048760	483212	938689	10.0	16.0	1.00 24.0	2.00	4.00
Di-n-octyl phthalate	PRY	Ave	2154511	3287478	235950 4860948	475540	936564	10.0	16.0	1.00 24.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	20560 1703307	34399 2715550	183231 4078636	364673	736510	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	19739 1736904	35263 2692297	191851 3868199	388385	793542	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	16114 1639233	31272 2528026	165893 3817242	342494	693028	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	13938 1540804	26086 2626531	139842 4050235	292457	586310	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	13540 1505418	27883 2497587	146143 3821350	301028	618690	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	144460 1494800	144460 2534418	144460 3892729	284958	606036	10.0	16.0	1.00 24.0	2.00	4.00
2-Fluorophenol	DCB	Ave	1419897	2405477	130478 4000156	275945	557067	10.0	16.0	1.00 24.0	2.00	4.00
Phenol-d5	DCB	Ave	174624 1836298	174624 2984250	174624 4845202	393799	724368	10.0	16.0	1.00 24.0	2.00	4.00
Nitrobenzene-d5	NPT	Ave	18026 1697147	37857 2757065	175442 4402601	359807	675758	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	37590 3152631	75108 5102413	353652 7849659	712962	1310675	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Tribromophenol	ANT	Ave	436595	707150	48873 1082577	98668	189393	10.0	16.0	1.00 24.0	2.00	4.00
Terphenyl-d14	CRY	Ave	27688 2020401	51344 3096201	265566 4687215	505546	936779	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09652.D
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 04-Oct-2014 21:05:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018923-002
 Operator ID: Instrument ID: CBNAMS13
 Sublist: chrom-8270LVI_R13*sub1
 Method: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 10:07:22 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09665.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: bayoumiw

Date: 05-Oct-2014 06:11:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.034	2.034	0.000	95	581664	10.0	10.4	
2 N-Nitrosodimethylamine	74	2.240	2.240	0.000	81	862780	10.0	10.8	
3 Pyridine	79	2.275	2.275	0.000	90	1476666	10.0	10.5	
\$ 4 2-Fluorophenol	112	3.310	3.310	0.000	95	1419897	10.0	10.4	
\$ 6 Phenol-d5	99	4.198	4.198	0.000	91	1836298	10.0	10.4	
7 Phenol	94	4.210	4.210	0.000	99	1926284	10.0	10.4	
8 Aniline	93	4.240	4.240	0.000	99	2309849	10.0	10.5	
9 Bis(2-chloroethyl)ether	93	4.298	4.298	0.000	98	1482713	10.0	10.5	
125 Benzonitrile	103	4.322	4.322	0.000	98	2857193	10.0	10.4	
10 2-Chlorophenol	128	4.357	4.357	0.000	95	1603343	10.0	10.4	
11 n-Decane	43	4.393	4.393	0.000	87	1578809	10.0	10.4	
12 1,3-Dichlorobenzene	146	4.510	4.510	0.000	95	1815427	10.0	10.4	
* 13 1,4-Dichlorobenzene-d4	152	4.563	4.563	0.000	96	896270	8.00	8.00	
14 1,4-Dichlorobenzene	146	4.581	4.581	0.000	93	1832048	10.0	10.4	
15 Benzyl alcohol	108	4.698	4.698	0.000	93	883499	10.0	10.9	
16 1,2-Dichlorobenzene	146	4.728	4.728	0.000	94	1714405	10.0	10.4	
17 2-Methylphenol	108	4.816	4.816	0.000	89	1428137	10.0	10.6	
18 2,2'-oxybis[1-chloropropan	45	4.834	4.834	0.000	89	1879361	10.0	10.4	
126 N-Methylaniline	106	4.957	4.957	0.000	84	2368794	10.0	10.5	
22 3 & 4 Methylphenol	108	4.969	4.969	0.000	84	1686415	NC	NC	
21 4-Methylphenol	108	4.969	4.969	0.000	88	1667443	10.0	10.6	
19 Acetophenone	105	4.969	4.969	0.000	88	2129964	10.0	10.3	
20 N-Nitrosodi-n-propylamine	70	4.969	4.969	0.000	76	1157830	10.0	10.6	
24 Hexachloroethane	117	5.069	5.069	0.000	95	736021	10.0	10.5	
\$ 25 Nitrobenzene-d5	82	5.122	5.122	0.000	89	1697147	10.0	10.5	
26 Nitrobenzene	77	5.140	5.140	0.000	85	2335196	10.0	10.7	
27 n,n'-Dimethylaniline	120	5.140	5.140	0.000	88	2545759	10.0	10.6	
28 Isophorone	82	5.381	5.381	0.000	99	2815371	10.0	10.5	
29 2-Nitrophenol	139	5.457	5.457	0.000	89	885647	10.0	10.5	
30 2,4-Dimethylphenol	122	5.504	5.504	0.000	90	1354180	10.0	10.5	
31 Bis(2-chloroethoxy)methane	93	5.592	5.592	0.000	99	1658816	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 2,4-Dichlorophenol	162	5.704	5.704	0.000	96	1298128	10.0	10.6	
34 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	94	1469367	10.0	10.4	
* 35 Naphthalene-d8	136	5.845	5.845	0.000	100	3246726	8.00	8.00	
36 Naphthalene	128	5.863	5.863	0.000	99	4488035	10.0	10.7	
37 4-Chloroaniline	127	5.916	5.916	0.000	96	1821593	10.0	10.5	
38 Hexachlorobutadiene	225	5.987	5.987	0.000	96	906566	10.0	10.6	
39 Caprolactam	113	6.287	6.287	0.000	93	306477	10.0	9.38	
40 4-Chloro-3-methylphenol	107	6.416	6.416	0.000	97	1247159	10.0	10.5	
41 2-Methylnaphthalene	142	6.557	6.557	0.000	84	2951191	10.0	10.4	
42 1-Methylnaphthalene	142	6.657	6.657	0.000	93	2759020	10.0	10.5	
43 Hexachlorocyclopentadiene	237	6.716	6.716	0.000	96	1097285	10.0	10.9	
44 1,2,4,5-Tetrachlorobenzene	216	6.728	6.728	0.000	98	1469748	10.0	10.8	
45 2-tertbutyl-4-methylphenol	149	6.757	6.757	0.000	90	2041667	NC	NC	
46 2,4,6-Trichlorophenol	196	6.839	6.839	0.000	90	904567	10.0	10.9	
47 2,4,5-Trichlorophenol	196	6.887	6.887	0.000	97	940444	10.0	10.7	
\$ 48 2-Fluorobiphenyl	172	6.922	6.922	0.000	97	3152631	10.0	10.6	
49 1,1'-Biphenyl	154	7.028	7.028	0.000	95	3431960	10.0	10.8	
50 2-Chloronaphthalene	162	7.045	7.045	0.000	96	2620274	10.0	10.7	
53 Phenyl ether	170	7.128	7.128	0.000	88	1824292	10.0	11.1	
54 2-Nitroaniline	65	7.151	7.151	0.000	98	807909	10.0	10.1	
55 1,3-Dimethylnaphthalene	156	7.263	7.263	0.000	92	2191362	10.0	11.0	
56 Dimethyl phthalate	163	7.334	7.334	0.000	99	2671632	10.0	10.5	
57 Coumarin	146	7.357	7.357	0.000	76	840715	10.0	10.3	
58 2,6-Dinitrotoluene	165	7.392	7.392	0.000	95	651722	10.0	10.9	
59 Acenaphthylene	152	7.463	7.463	0.000	98	4002393	10.0	10.6	
60 3-Nitroaniline	138	7.563	7.563	0.000	96	660813	10.0	10.6	
* 61 Acenaphthene-d10	164	7.598	7.598	0.000	94	1672776	8.00	8.00	
63 3,5-di-tert-butyl-4-hydrox	205	7.610	7.610	0.000	98	2609306	NC	NC	
62 Acenaphthene	154	7.634	7.634	0.000	94	2525402	10.0	10.9	
64 2,4-Dinitrophenol	184	7.663	7.663	0.000	96	729625	20.0	20.1	
65 4-Nitrophenol	65	7.734	7.734	0.000	92	860276	20.0	23.1	
67 2,4-Dinitrotoluene	165	7.786	7.786	0.000	96	809904	10.0	10.7	
66 Dibenzofuran	168	7.804	7.804	0.000	95	3535535	10.0	10.6	
68 2,3,4,6-Tetrachlorophenol	232	7.922	7.922	0.000	94	704862	10.0	10.9	
69 Diethyl phthalate	149	8.028	8.028	0.000	98	2562849	10.0	10.4	
71 4-Chlorophenyl phenyl ethe	204	8.139	8.139	0.000	87	1412206	10.0	10.6	
70 Fluorene	166	8.139	8.139	0.000	96	2759370	10.0	10.6	
72 4-Nitroaniline	138	8.169	8.169	0.000	90	579454	10.0	10.8	
73 4,6-Dinitro-2-methylphenol	198	8.192	8.192	0.000	86	911280	20.0	22.5	
74 N-Nitrosodiphenylamine	169	8.257	8.257	0.000	68	1734218	10.0	10.5	
75 1,2-Diphenylhydrazine	77	8.298	8.298	0.000	98	2768043	10.0	10.7	
\$ 76 2,4,6-Tribromophenol	330	8.381	8.381	0.000	95	436595	10.0	10.5	
77 4-Bromophenyl phenyl ether	248	8.622	8.622	0.000	89	779771	10.0	10.5	
78 Hexachlorobenzene	284	8.681	8.681	0.000	97	853836	10.0	10.7	
79 Atrazine	200	8.786	8.786	0.000	94	613377	10.0	10.7	
121 Pentachlorophenol	266	8.880	8.880	0.000	93	913759	20.0	23.7	
81 Pentachloronitrobenzene	237	8.886	8.886	0.000	88	326854	NC	NC	
82 n-Octadecane	57	8.945	8.945	0.000	94	1864401	10.0	11.0	
* 83 Phenanthrene-d10	188	9.069	9.069	0.000	98	2329126	8.00	8.00	
84 Phenanthrene	178	9.092	9.092	0.000	97	3329131	10.0	10.6	
85 Anthracene	178	9.139	9.139	0.000	98	3458557	10.0	10.7	
86 Carbazole	167	9.298	9.298	0.000	96	2802214	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Di-n-butyl phthalate	149	9.633	9.633	0.000	100	3519077	10.0	10.6	
88 Fluoranthene	202	10.263	10.263	0.000	98	2998635	10.0	10.5	
122 Benzidine	184	10.398	10.398	0.000	99	1128487	10.0	11.0	
90 Pyrene	202	10.498	10.498	0.000	97	2945395	10.0	10.6	
\$ 91 Terphenyl-d14	244	10.657	10.657	0.000	99	2020401	10.0	10.5	
92 Butyl benzyl phthalate	149	11.198	11.198	0.000	99	1096164	10.0	10.8	
108 2,3,7,8-TCDD	320	11.298	11.298	0.000	85	2944	0.1000	0.1000	
93 Carbamazepine	193	11.333	11.333	0.000	92	775159	10.0	10.3	
94 3,3'-Dichlorobenzidine	252	11.857	11.857	0.000	99	720716	10.0	10.2	
95 Benzo[a]anthracene	228	11.886	11.886	0.000	98	2091581	10.0	10.3	
* 96 Chrysene-d12	240	11.898	11.898	0.000	99	1399953	8.00	8.00	
98 Bis(2-ethylhexyl) phthalat	149	11.916	11.916	0.000	89	1449605	10.0	10.1	
97 Chrysene	228	11.933	11.933	0.000	99	1946035	10.0	10.7	
99 Di-n-octyl phthalate	149	12.816	12.816	0.000	97	2154511	10.0	10.9	
100 Benzo[b]fluoranthene	252	13.345	13.345	0.000	99	1703307	10.0	10.8	
101 Benzo[k]fluoranthene	252	13.386	13.386	0.000	99	1736904	10.0	10.8	
102 Benzo[a]pyrene	252	13.804	13.804	0.000	97	1639233	10.0	11.4	
* 103 Perylene-d12	264	13.886	13.886	0.000	98	1063551	8.00	8.00	
104 Indeno[1,2,3-cd]pyrene	276	15.374	15.374	0.000	99	1540804	10.0	11.7	
105 Dibenz(a,h)anthracene	278	15.409	15.409	0.000	97	1505418	10.0	11.4	
106 Benzo[g,h,i]perylene	276	15.762	15.762	0.000	98	1494800	10.0	11.0	
S 119 Total Cresols	1				0			10.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

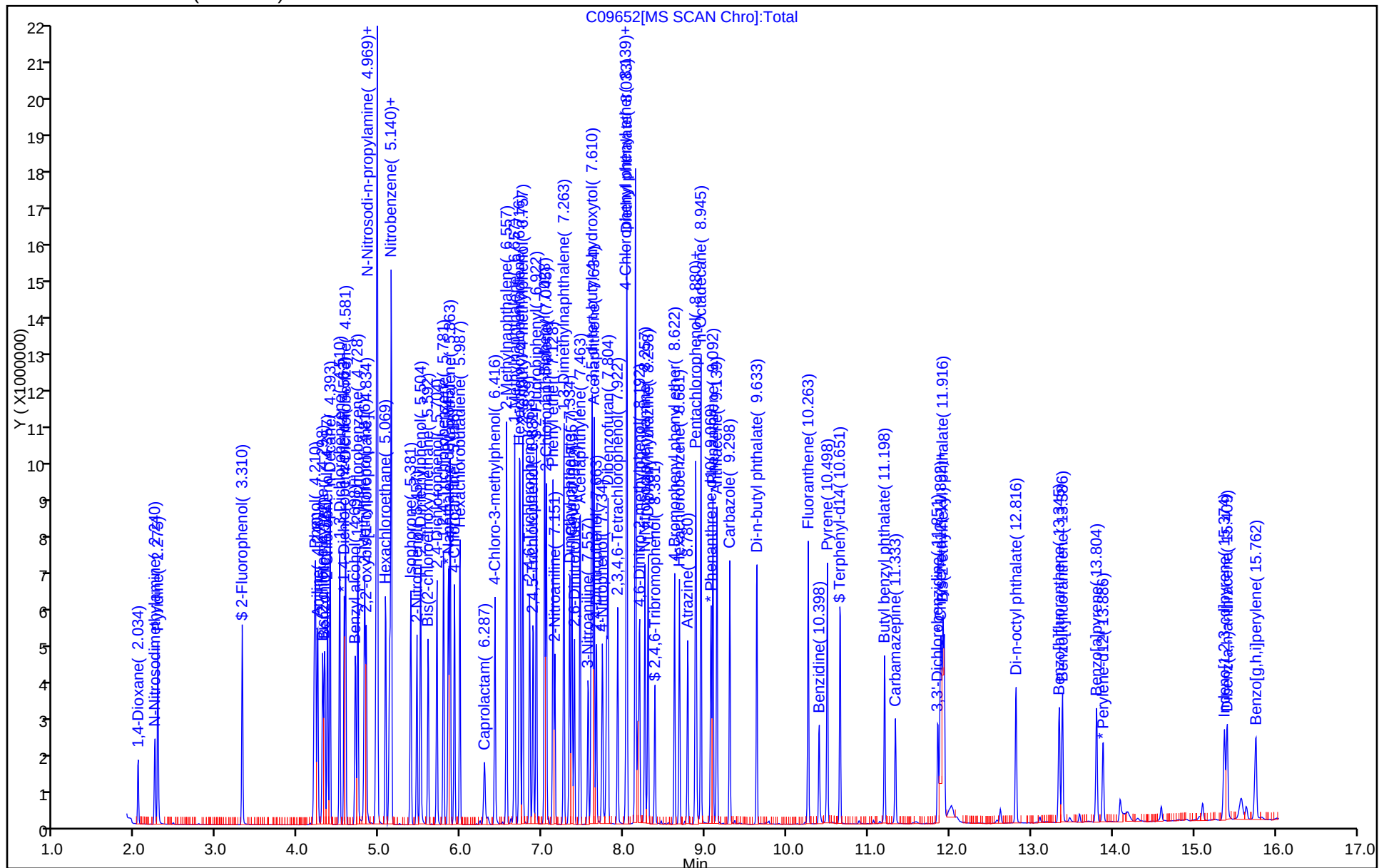
SM_BNAL6_00014

Amount Added: 1.00

Units: mL

Data File:	\\EDICHRON\ChromData\CBNAMs13\20141004-18923.b\C09652.D		
Injection Date:	04-Oct-2014 21:05:30	Instrument ID:	CBNAMs13
Lims ID:	ICIS		
Client ID:			
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_R13	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

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



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CBNAMS13\20141004-18923.b\C09653.D
 Lims ID: STD24
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 04-Oct-2014 21:29:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018923-003
 Operator ID: Instrument ID: CBNAMS13
 Sublist: chrom-8270LVI_R13*sub1
 Method: \\EDICHRON\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 10:07:26 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHRON\ChromData\CBNAMS13\20141004-18923.b\C09665.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: bayoumiw

Date: 05-Oct-2014 06:12:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.016	2.034	-0.018	96	1379520	24.0	24.8	
2 N-Nitrosodimethylamine	74	2.240	2.240	0.000	81	2014172	24.0	25.2	
3 Pyridine	79	2.263	2.275	-0.012	89	3522692	24.0	25.2	
\$ 4 2-Fluorophenol	112	3.316	3.310	0.006	94	4000156	24.0	29.4	
\$ 6 Phenol-d5	99	4.216	4.198	0.018	92	4845202	24.0	27.5	
7 Phenol	94	4.234	4.210	0.024	99	4750563	24.0	25.8	
8 Aniline	93	4.245	4.240	0.005	99	5362715	24.0	24.5	
9 Bis(2-chloroethyl)ether	93	4.310	4.298	0.012	97	3450714	24.0	24.4	
125 Benzonitrile	103	4.345	4.322	0.023	98	6442231	24.0	23.6	
10 2-Chlorophenol	128	4.369	4.357	0.012	95	3782523	24.0	24.6	
11 n-Decane	43	4.392	4.393	-0.001	88	3807996	24.0	25.2	
12 1,3-Dichlorobenzene	146	4.516	4.510	0.006	93	4242859	24.0	24.5	
* 13 1,4-Dichlorobenzene-d4	152	4.569	4.563	0.006	96	893060	8.00	8.00	
14 1,4-Dichlorobenzene	146	4.587	4.581	0.006	92	4313411	24.0	24.6	
15 Benzyl alcohol	108	4.716	4.698	0.018	92	2139634	24.0	26.6	
16 1,2-Dichlorobenzene	146	4.734	4.728	0.006	94	4017558	24.0	24.4	
17 2-Methylphenol	108	4.828	4.816	0.012	90	3263998	24.0	24.3	
18 2,2'-oxybis[1-chloropropan	45	4.839	4.834	0.005	90	4440599	24.0	24.6	
126 N-Methylaniline	106	4.963	4.957	0.006	80	5295670	24.0	23.7	
22 3 & 4 Methylphenol	108	4.987	4.969	0.018	79	3853792	NC	NC	
21 4-Methylphenol	108	4.987	4.969	0.018	85	3790964	24.0	24.3	
19 Acetophenone	105	4.987	4.969	0.018	90	4880259	24.0	23.8	
20 N-Nitrosodi-n-propylamine	70	4.987	4.969	0.018	89	2596636	24.0	23.9	
24 Hexachloroethane	117	5.075	5.069	0.006	94	1746740	24.0	24.9	
\$ 25 Nitrobenzene-d5	82	5.134	5.122	0.012	91	4402601	24.0	27.9	
26 Nitrobenzene	77	5.157	5.140	0.017	91	5321270	24.0	25.0	
27 n,n'-Dimethylaniline	120	5.151	5.140	0.011	93	5723655	24.0	23.9	
28 Isophorone	82	5.398	5.381	0.017	99	6101730	24.0	23.3	
29 2-Nitrophenol	139	5.463	5.457	0.006	88	2002076	24.0	24.3	
30 2,4-Dimethylphenol	122	5.516	5.504	0.012	90	3071241	24.0	24.2	
31 Bis(2-chloroethoxy)methane	93	5.604	5.592	0.012	100	3721217	24.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 2,4-Dichlorophenol	162	5.710	5.704	0.006	95	2876871	24.0	24.1	
34 1,2,4-Trichlorobenzene	180	5.786	5.781	0.005	95	3352980	24.0	24.3	
* 35 Naphthalene-d8	136	5.845	5.845	0.000	100	3177646	8.00	8.00	
36 Naphthalene	128	5.869	5.863	0.006	98	9424028	24.0	23.0	
37 4-Chloroaniline	127	5.928	5.916	0.012	96	4041119	24.0	23.9	
38 Hexachlorobutadiene	225	5.986	5.987	-0.001	95	2094130	24.0	25.1	
39 Caprolactam	113	6.334	6.287	0.047	92	818334	24.0	25.6	M
40 4-Chloro-3-methylphenol	107	6.428	6.416	0.012	97	2704805	24.0	23.3	
41 2-Methylnaphthalene	142	6.563	6.557	0.006	84	6539175	24.0	23.7	
42 1-Methylnaphthalene	142	6.663	6.657	0.006	93	6030351	24.0	23.3	
43 Hexachlorocyclopentadiene	237	6.716	6.716	0.000	97	2562557	24.0	26.5	
44 1,2,4,5-Tetrachlorobenzene	216	6.733	6.728	0.005	98	3283075	24.0	25.1	
45 2-tertbutyl-4-methylphenol	149	6.763	6.757	0.006	90	4358447	NC	NC	
46 2,4,6-Trichlorophenol	196	6.851	6.839	0.012	90	1962225	24.0	24.5	
47 2,4,5-Trichlorophenol	196	6.898	6.887	0.012	96	2024515	24.0	23.9	
\$ 48 2-Fluorobiphenyl	172	6.933	6.922	0.011	97	7849659	24.0	27.5	
49 1,1'-Biphenyl	154	7.033	7.028	0.005	96	7390270	24.0	24.3	
50 2-Chloronaphthalene	162	7.051	7.045	0.006	96	5713862	24.0	24.3	
53 Phenyl ether	170	7.133	7.128	0.005	86	3865878	24.0	24.4	
54 2-Nitroaniline	65	7.157	7.151	0.006	97	1668279	24.0	21.7	
55 1,3-Dimethylnaphthalene	156	7.269	7.263	0.006	91	4607937	24.0	24.0	
56 Dimethyl phthalate	163	7.345	7.334	0.011	99	5668961	24.0	23.2	
57 Coumarin	146	7.369	7.357	0.012	77	1720448	24.0	21.6	
58 2,6-Dinitrotoluene	165	7.404	7.392	0.012	94	1388342	24.0	24.2	
59 Acenaphthylene	152	7.469	7.463	0.006	97	8575586	24.0	23.5	
60 3-Nitroaniline	138	7.569	7.563	0.006	94	1370085	24.0	22.9	
* 61 Acenaphthene-d10	164	7.604	7.598	0.006	91	1609270	8.00	8.00	
63 3,5-di-tert-butyl-4-hydrox	205	7.616	7.610	0.006	98	5348276	NC	NC	
62 Acenaphthene	154	7.639	7.634	0.005	95	5228643	24.0	23.4	
64 2,4-Dinitrophenol	184	7.675	7.663	0.012	96	1729954	48.0	47.9	
65 4-Nitrophenol	65	7.751	7.734	0.017	92	1848628	48.0	51.7	
67 2,4-Dinitrotoluene	165	7.798	7.786	0.012	93	1674925	24.0	23.1	
66 Dibenzofuran	168	7.810	7.804	0.006	95	7404074	24.0	23.2	
68 2,3,4,6-Tetrachlorophenol	232	7.928	7.922	0.006	94	1496413	24.0	24.1	
69 Diethyl phthalate	149	8.039	8.028	0.011	91	5362017	24.0	22.7	
71 4-Chlorophenyl phenyl ethe	204	8.145	8.139	0.006	87	2994509	24.0	23.4	
70 Fluorene	166	8.151	8.139	0.012	96	5870943	24.0	23.4	
72 4-Nitroaniline	138	8.192	8.169	0.023	89	1021085	24.0	19.8	
73 4,6-Dinitro-2-methylphenol	198	8.204	8.192	0.012	91	2002317	48.0	55.8	
74 N-Nitrosodiphenylamine	169	8.269	8.257	0.012	69	3690291	24.0	25.3	
75 1,2-Diphenylhydrazine	77	8.304	8.298	0.006	97	5841336	24.0	25.6	
\$ 76 2,4,6-Tribromophenol	330	8.386	8.381	0.005	95	1082577	24.0	27.0	
77 4-Bromophenyl phenyl ether	248	8.627	8.622	0.005	89	1651548	24.0	25.2	
78 Hexachlorobenzene	284	8.686	8.681	0.006	98	1808769	24.0	25.5	
79 Atrazine	200	8.792	8.786	0.006	93	1243139	24.0	24.5	
121 Pentachlorophenol	266	8.886	8.880	0.006	92	2091274	48.0	61.3	
81 Pentachloronitrobenzene	237	8.892	8.886	0.006	87	651898	NC	NC	
82 n-Octadecane	57	8.951	8.945	0.006	95	4089481	24.0	27.2	
* 83 Phenanthrene-d10	188	9.069	9.069	0.000	99	2061631	8.00	8.00	
84 Phenanthrene	178	9.098	9.092	0.006	98	6831033	24.0	24.5	
85 Anthracene	178	9.151	9.139	0.012	98	7018614	24.0	24.4	
86 Carbazole	167	9.304	9.298	0.006	96	5719636	24.0	24.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Di-n-butyl phthalate	149	9.633	9.633	0.000	100	7100548	24.0	24.2	
88 Fluoranthene	202	10.269	10.263	0.006	97	5981623	24.0	23.7	
122 Benzidine	184	10.398	10.398	0.000	99	2120162	24.0	23.4	
90 Pyrene	202	10.504	10.498	0.006	97	5878691	24.0	22.7	
\$ 91 Terphenyl-d14	244	10.663	10.657	0.006	99	4687215	24.0	26.2	
92 Butyl benzyl phthalate	149	11.204	11.198	0.006	98	2292064	24.0	24.3	
93 Carbamazepine	193	11.345	11.333	0.012	91	1738030	24.0	24.0	
94 3,3'-Dichlorobenzidine	252	11.863	11.857	0.006	99	1648059	24.0	24.3	
95 Benzo[a]anthracene	228	11.892	11.886	0.006	98	4435969	24.0	23.3	
* 96 Chrysene-d12	240	11.904	11.898	0.006	99	1306903	8.00	8.00	
98 Bis(2-ethylhexyl) phthalat	149	11.921	11.916	0.005	89	3118794	24.0	24.0	
97 Chrysene	228	11.945	11.933	0.012	99	4048760	24.0	23.9	
99 Di-n-octyl phthalate	149	12.821	12.816	0.005	97	4860948	24.0	23.1	
100 Benzo[b]fluoranthene	252	13.357	13.345	0.012	99	4078636	24.0	24.4	
101 Benzo[k]fluoranthene	252	13.398	13.386	0.012	99	3868199	24.0	22.7	
102 Benzo[a]pyrene	252	13.815	13.804	0.011	97	3817242	24.0	25.0	
* 103 Perylene-d12	264	13.886	13.886	0.000	98	1127405	8.00	8.00	
104 Indeno[1,2,3-cd]pyrene	276	15.392	15.374	0.018	99	4050235	24.0	29.0	
105 Dibenz(a,h)anthracene	278	15.427	15.409	0.018	98	3821350	24.0	27.4	
106 Benzo[g,h,i]perylene	276	15.780	15.762	0.018	98	3892729	24.0	26.9	
S 119 Total Cresols	1				0			24.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL8_00002

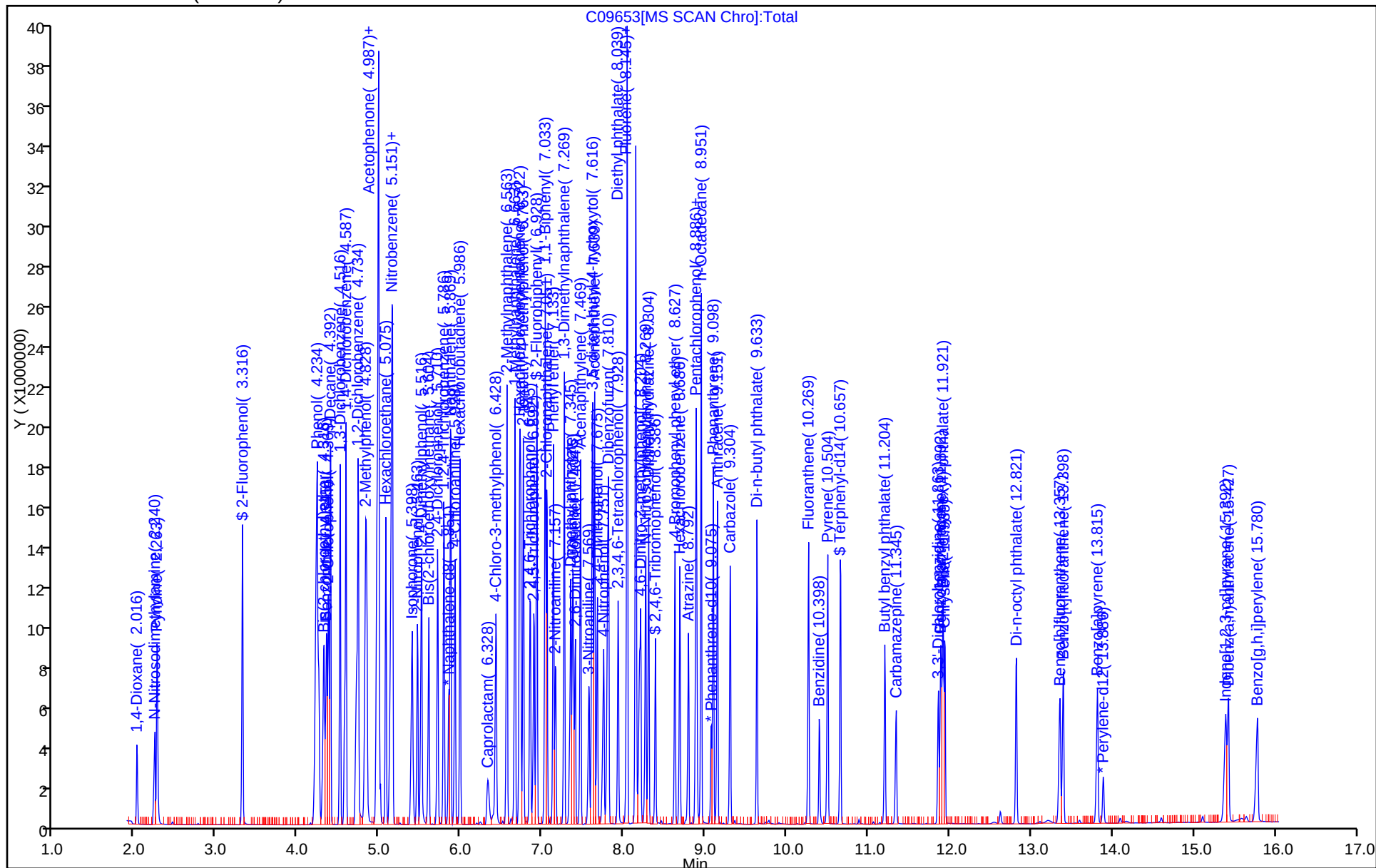
Amount Added: 1.00

Units: mL

Data File:	\\EDICHRON\ChromData\CBNAMS13\20141004-18923.b\C09653.D		
Injection Date:	04-Oct-2014 21:29:30	Instrument ID:	CBNAMS13
Lims ID:	STD24		
Client ID:			
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_R13	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 3

ALS Bottle#: 3



TestAmerica Edison

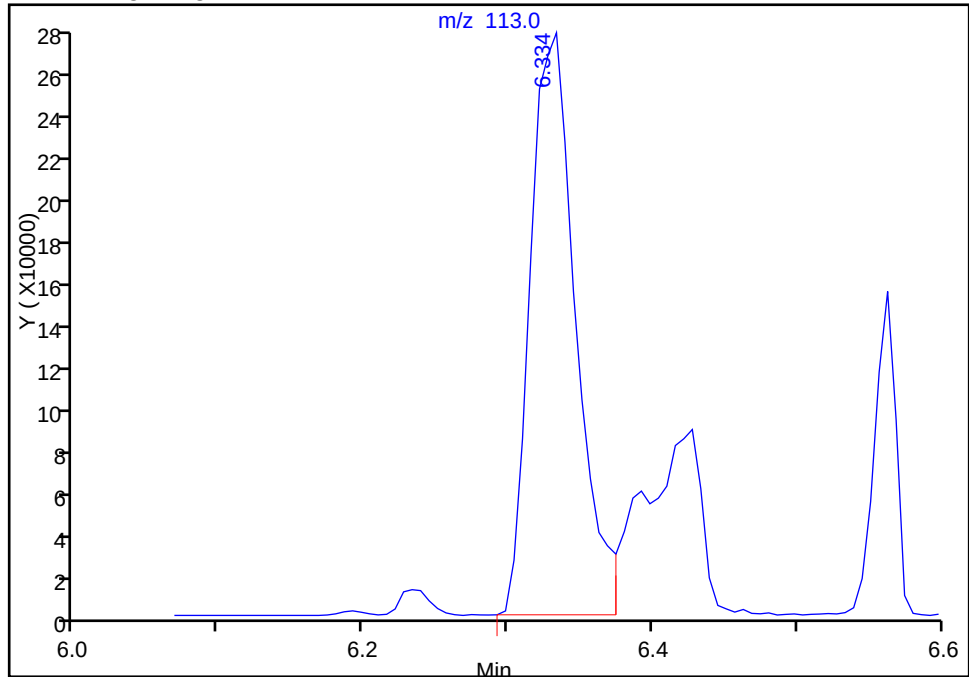
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Lims ID: STD24
Client ID:
Operator ID:
Injection Vol: 5.0 ul
Method: 8270LVI_R13
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 3 Worklist Smp#: 3
Dil. Factor: 1.0000
Limit Group: SV 625 ICAL
Detector: MS SCAN

39 Caprolactam, CAS: 105-60-2

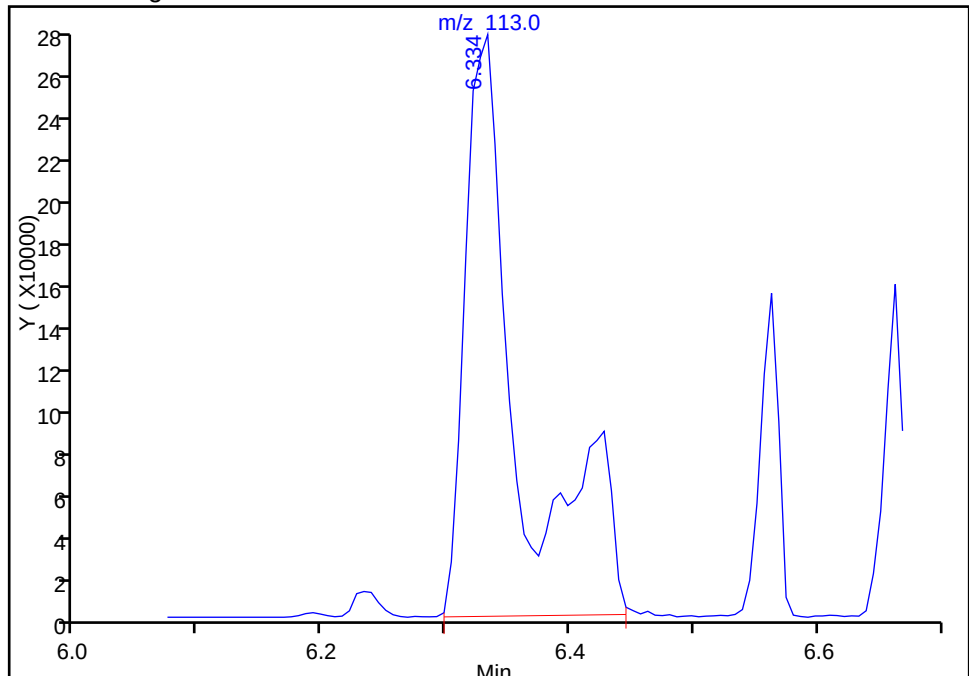
RT: 6.33
Response: 595078
Amount: 20.377264

Processing Integration Results



RT: 6.33
Response: 818334
Amount: 25.595837

Manual Integration Results



Reviewer: bayoumiw, 05-Oct-2014 06:12:55
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CBNAMS13\20141004-18923.b\C09654.D
 Lims ID: STD16
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 04-Oct-2014 21:52:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018923-004
 Operator ID: Instrument ID: CBNAMS13
 Sublist: chrom-8270LVI_R13*sub1
 Method: \\EDICHRON\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 10:07:30 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHRON\ChromData\CBNAMS13\20141004-18923.b\C09665.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: bayoumiw

Date: 05-Oct-2014 06:14:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.022	2.034	-0.012	95	924067	16.0	16.6	
2 N-Nitrosodimethylamine	74	2.234	2.240	-0.006	80	1377608	16.0	17.2	
3 Pyridine	79	2.269	2.275	-0.006	89	2373427	16.0	16.9	
\$ 4 2-Fluorophenol	112	3.310	3.310	0.000	95	2405477	16.0	17.6	
\$ 6 Phenol-d5	99	4.204	4.198	0.006	95	2984250	16.0	16.9	
7 Phenol	94	4.222	4.210	0.012	98	3167094	16.0	17.1	
8 Aniline	93	4.240	4.240	0.000	100	3658389	16.0	16.6	
9 Bis(2-chloroethyl)ether	93	4.304	4.298	0.006	98	2335634	16.0	16.5	
125 Benzonitrile	103	4.334	4.322	0.012	98	4411983	16.0	16.1	
10 2-Chlorophenol	128	4.363	4.357	0.006	96	2579873	16.0	16.7	
11 n-Decane	43	4.393	4.393	0.000	87	2511494	16.0	16.6	
12 1,3-Dichlorobenzene	146	4.510	4.510	0.000	94	2888391	16.0	16.6	
* 13 1,4-Dichlorobenzene-d4	152	4.563	4.563	0.000	96	896163	8.00	8.00	
14 1,4-Dichlorobenzene	146	4.581	4.581	0.000	92	2917360	16.0	16.6	
15 Benzyl alcohol	108	4.710	4.698	0.012	95	1437234	16.0	17.8	
16 1,2-Dichlorobenzene	146	4.734	4.728	0.006	95	2765223	16.0	16.8	
17 2-Methylphenol	108	4.822	4.816	0.006	86	2283104	16.0	16.9	
18 2,2'-oxybis[1-chloropropan	45	4.840	4.834	0.006	89	2994093	16.0	16.6	
126 N-Methylaniline	106	4.963	4.957	0.006	88	3668768	16.0	16.3	
22 3 & 4 Methylphenol	108	4.975	4.969	0.006	83	2645829	NC	NC	
21 4-Methylphenol	108	4.975	4.969	0.006	76	2573246	16.0	16.4	
19 Acetophenone	105	4.975	4.969	0.006	92	3399890	16.0	16.5	
20 N-Nitrosodi-n-propylamine	70	4.981	4.969	0.012	73	1836858	16.0	16.8	
24 Hexachloroethane	117	5.075	5.069	0.006	94	1176218	16.0	16.7	
\$ 25 Nitrobenzene-d5	82	5.128	5.122	0.006	89	2757065	16.0	17.0	
26 Nitrobenzene	77	5.146	5.140	0.006	91	3679500	16.0	16.9	
27 n,n'-Dimethylaniline	120	5.146	5.140	0.006	93	3935420	16.0	16.4	
28 Isophorone	82	5.387	5.381	0.006	99	4397356	16.0	16.4	
29 2-Nitrophenol	139	5.463	5.457	0.006	91	1396427	16.0	16.6	
30 2,4-Dimethylphenol	122	5.510	5.504	0.006	89	2132848	16.0	16.5	
31 Bis(2-chloroethoxy)methane	93	5.599	5.592	0.006	100	2640139	16.0	16.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 2,4-Dichlorophenol	162	5.704	5.704	0.000	94	2025062	16.0	16.6	
34 1,2,4-Trichlorobenzene	180	5.787	5.781	0.006	94	2327581	16.0	16.5	
* 35 Naphthalene-d8	136	5.846	5.845	0.001	100	3251577	8.00	8.00	
36 Naphthalene	128	5.869	5.863	0.006	99	6929939	16.0	16.5	
37 4-Chloroaniline	127	5.922	5.916	0.006	96	2858086	16.0	16.5	
38 Hexachlorobutadiene	225	5.987	5.987	0.000	95	1441430	16.0	16.9	
39 Caprolactam	113	6.310	6.287	0.023	92	528990	16.0	16.2	M
40 4-Chloro-3-methylphenol	107	6.422	6.416	0.006	96	1925473	16.0	16.2	
41 2-Methylnaphthalene	142	6.563	6.557	0.006	85	4654231	16.0	16.5	
42 1-Methylnaphthalene	142	6.663	6.657	0.006	92	4280169	16.0	16.2	
43 Hexachlorocyclopentadiene	237	6.716	6.716	0.000	96	1794809	16.0	17.9	
44 1,2,4,5-Tetrachlorobenzene	216	6.728	6.728	0.000	97	2320056	16.0	17.1	
45 2-tertbutyl-4-methylphenol	149	6.763	6.757	0.006	91	3060533	NC	NC	
46 2,4,6-Trichlorophenol	196	6.845	6.839	0.006	89	1396154	16.0	16.8	
47 2,4,5-Trichlorophenol	196	6.887	6.887	0.001	97	1497116	16.0	17.0	
\$ 48 2-Fluorobiphenyl	172	6.928	6.922	0.006	97	5102413	16.0	17.2	
49 1,1'-Biphenyl	154	7.028	7.028	0.000	96	5304875	16.0	16.8	
50 2-Chloronaphthalene	162	7.051	7.045	0.006	96	4075318	16.0	16.7	
53 Phenyl ether	170	7.134	7.128	0.006	85	2733516	16.0	16.6	
54 2-Nitroaniline	65	7.157	7.151	0.006	97	1151570	16.0	14.4	
55 1,3-Dimethylnaphthalene	156	7.263	7.263	0.000	91	3282337	16.0	16.4	
56 Dimethyl phthalate	163	7.340	7.334	0.006	98	4088289	16.0	16.1	
57 Coumarin	146	7.363	7.357	0.006	77	1249762	16.0	15.3	
58 2,6-Dinitrotoluene	165	7.398	7.392	0.006	95	999787	16.0	16.8	
59 Acenaphthylene	152	7.463	7.463	0.000	97	6263806	16.0	16.5	
60 3-Nitroaniline	138	7.563	7.563	0.000	94	1025549	16.0	16.5	
* 61 Acenaphthene-d10	164	7.598	7.598	0.000	94	1672082	8.00	8.00	
63 3,5-di-tert-butyl-4-hydrox	205	7.610	7.610	0.000	98	3845065	NC	NC	
62 Acenaphthene	154	7.634	7.634	0.000	94	3810026	16.0	16.4	
64 2,4-Dinitrophenol	184	7.669	7.663	0.006	96	1195827	32.0	32.1	
65 4-Nitrophenol	65	7.745	7.734	0.011	92	1309910	32.0	35.3	
67 2,4-Dinitrotoluene	165	7.792	7.786	0.006	97	1224314	16.0	16.3	
66 Dibenzofuran	168	7.804	7.804	0.000	95	5432657	16.0	16.4	
68 2,3,4,6-Tetrachlorophenol	232	7.928	7.922	0.006	94	1093833	16.0	17.0	
69 Diethyl phthalate	149	8.034	8.028	0.006	98	3948168	16.0	16.1	
71 4-Chlorophenyl phenyl ethe	204	8.140	8.139	0.001	86	2192822	16.0	16.5	
70 Fluorene	166	8.145	8.139	0.006	96	4236117	16.0	16.2	
72 4-Nitroaniline	138	8.181	8.169	0.012	88	899007	16.0	16.8	
73 4,6-Dinitro-2-methylphenol	198	8.198	8.192	0.006	85	1418767	32.0	36.2	
74 N-Nitrosodiphenylamine	169	8.263	8.257	0.006	68	2596715	16.0	16.3	
75 1,2-Diphenylhydrazine	77	8.298	8.298	0.000	98	4193174	16.0	16.8	
\$ 76 2,4,6-Tribromophenol	330	8.381	8.381	0.000	95	707150	16.0	17.0	
77 4-Bromophenyl phenyl ether	248	8.622	8.622	0.000	89	1206378	16.0	16.9	
78 Hexachlorobenzene	284	8.687	8.681	0.007	97	1325432	16.0	17.1	
79 Atrazine	200	8.787	8.786	0.001	94	897606	16.0	16.2	
121 Pentachlorophenol	266	8.881	8.880	0.001	92	1464438	32.0	39.3	
81 Pentachloronitrobenzene	237	8.892	8.886	0.006	87	474761	NC	NC	
82 n-Octadecane	57	8.945	8.945	0.000	95	2898143	16.0	17.6	
* 83 Phenanthrene-d10	188	9.069	9.069	0.000	98	2252108	8.00	8.00	
84 Phenanthrene	178	9.092	9.092	0.000	98	5017590	16.0	16.4	
85 Anthracene	178	9.145	9.139	0.006	98	5144975	16.0	16.4	
86 Carbazole	167	9.304	9.298	0.006	96	4145237	16.0	16.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Di-n-butyl phthalate	149	9.634	9.633	0.001	100	5268307	16.0	16.5	
88 Fluoranthene	202	10.263	10.263	0.000	98	4429476	16.0	16.1	
122 Benzidine	184	10.398	10.398	0.000	99	1552649	16.0	15.7	
90 Pyrene	202	10.498	10.498	0.000	97	4325880	16.0	16.1	
\$ 91 Terphenyl-d14	244	10.657	10.657	0.000	99	3096201	16.0	16.7	
92 Butyl benzyl phthalate	149	11.204	11.198	0.006	99	1609636	16.0	16.4	
93 Carbamazepine	193	11.339	11.333	0.006	92	1172582	16.0	15.8	
94 3,3'-Dichlorobenzidine	252	11.857	11.857	0.000	99	1071607	16.0	15.4	
95 Benzo[a]anthracene	228	11.886	11.886	0.000	99	3117151	16.0	15.8	
* 96 Chrysene-d12	240	11.904	11.898	0.006	99	1353758	8.00	8.00	
98 Bis(2-ethylhexyl) phthalat	149	11.916	11.916	0.000	88	2198095	16.0	16.0	
97 Chrysene	228	11.939	11.933	0.006	99	2869426	16.0	16.3	
99 Di-n-octyl phthalate	149	12.816	12.816	0.000	97	3287478	16.0	15.8	
100 Benzo[b]fluoranthene	252	13.351	13.345	0.006	99	2715550	16.0	16.5	
101 Benzo[k]fluoranthene	252	13.392	13.386	0.006	99	2692297	16.0	16.1	
102 Benzo[a]pyrene	252	13.810	13.804	0.006	97	2528026	16.0	16.8	
* 103 Perylene-d12	264	13.886	13.886	0.000	98	1111062	8.00	8.00	
104 Indeno[1,2,3-cd]pyrene	276	15.380	15.374	0.006	99	2626531	16.0	19.1	
105 Dibenz(a,h)anthracene	278	15.416	15.409	0.007	96	2497587	16.0	18.1	
106 Benzo[g,h,i]perylene	276	15.768	15.762	0.006	98	2534418	16.0	17.8	
S 119 Total Cresols	1				0			16.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL7_00002

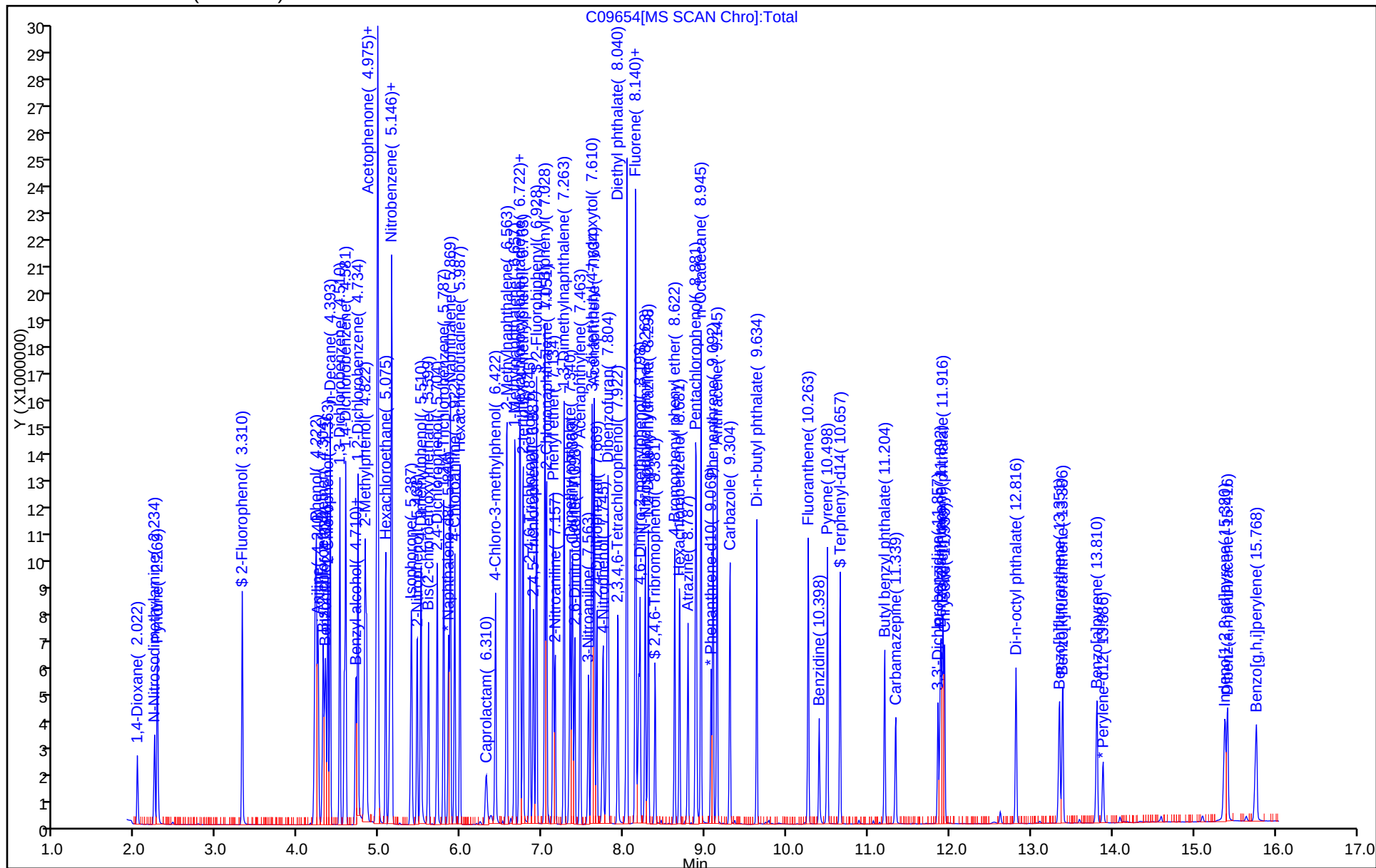
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09654.D
Injection Date: 04-Oct-2014 21:52:30 Instrument ID: CBNAMS13
Lims ID: STD16
Client ID:
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R13 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm)

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



TestAmerica Edison

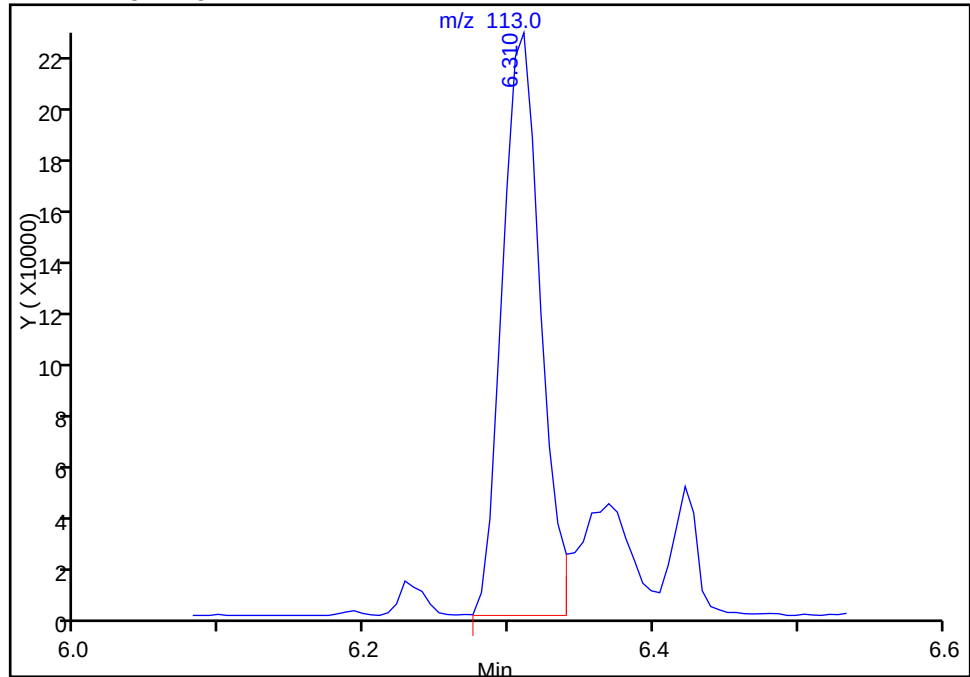
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Injection Date: 04-Oct-2014 21:52:30 Instrument ID: CBNAMS13
Lims ID: STD16
Client ID:
Operator ID:
Injection Vol: 5.0 ul
Method: 8270LVI_R13
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 4 Worklist Smp#: 4
Dil. Factor: 1.0000
Limit Group: SV 625 ICAL
Detector: MS SCAN

39 Caprolactam, CAS: 105-60-2

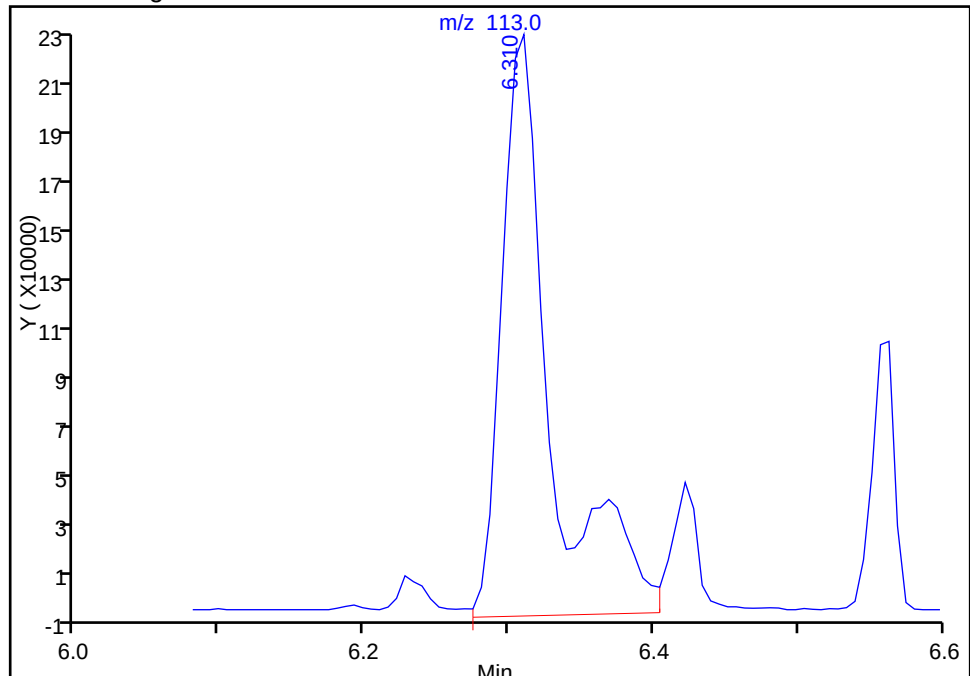
RT: 6.31
Response: 409347
Amount: 13.007972

Processing Integration Results



RT: 6.31
Response: 528990
Amount: 16.169540

Manual Integration Results



Reviewer: bayoumiw, 05-Oct-2014 06:14:10
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09655.D
 Lims ID: STD4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 04-Oct-2014 22:16:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018923-005
 Operator ID: Instrument ID: CBNAMS13
 Sublist: chrom-8270LVI_R13*sub1
 Method: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 10:07:33 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09655.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: bayoumiw

Date: 05-Oct-2014 06:14:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.040	2.034	0.006	97	232186	4.00	3.88	
2 N-Nitrosodimethylamine	74	2.240	2.240	0.000	81	350734	4.00	4.07	
3 Pyridine	79	2.281	2.275	0.006	89	610027	4.00	4.04	
\$ 4 2-Fluorophenol	112	3.310	3.310	0.000	96	557067	4.00	3.80	
\$ 6 Phenol-d5	99	4.187	4.198	-0.011	91	724368	4.00	3.82	
7 Phenol	94	4.198	4.210	-0.012	99	782584	4.00	3.94	
8 Aniline	93	4.234	4.240	-0.006	99	957244	4.00	4.05	
9 Bis(2-chloroethyl)ether	93	4.293	4.298	-0.005	98	613556	4.00	4.03	
125 Benzonitrile	103	4.310	4.322	-0.012	98	1252623	4.00	4.26	
10 2-Chlorophenol	128	4.351	4.357	-0.006	96	675904	4.00	4.08	
11 n-Decane	43	4.387	4.393	-0.006	88	651903	4.00	4.01	
12 1,3-Dichlorobenzene	146	4.504	4.510	-0.006	94	743700	4.00	3.98	
* 13 1,4-Dichlorobenzene-d4	152	4.563	4.563	0.000	96	962578	8.00	8.00	
14 1,4-Dichlorobenzene	146	4.581	4.581	0.000	94	757227	4.00	4.01	
15 Benzyl alcohol	108	4.693	4.698	-0.006	93	374706	4.00	4.32	
16 1,2-Dichlorobenzene	146	4.728	4.728	0.000	94	715577	4.00	4.04	
17 2-Methylphenol	108	4.804	4.816	-0.012	89	587246	4.00	4.05	
18 2,2'-oxybis[1-chloropropan	45	4.828	4.834	-0.006	89	778071	4.00	4.00	
126 N-Methylaniline	106	4.951	4.957	-0.006	88	1028047	4.00	4.26	
22 3 & 4 Methylphenol	108	4.963	4.969	-0.006	82	704767	NC	NC	
21 4-Methylphenol	108	4.963	4.969	-0.006	73	679282	4.00	4.04	
19 Acetophenone	105	4.963	4.969	-0.006	94	874243	4.00	3.95	
20 N-Nitrosodi-n-propylamine	70	4.957	4.969	-0.012	92	480634	4.00	4.10	
24 Hexachloroethane	117	5.069	5.069	0.000	94	304534	4.00	4.03	
\$ 25 Nitrobenzene-d5	82	5.116	5.122	-0.006	89	675758	4.00	3.81	
26 Nitrobenzene	77	5.134	5.140	-0.006	85	988667	4.00	4.14	
27 n,n'-Dimethylaniline	120	5.134	5.140	-0.006	86	1103408	4.00	4.27	
28 Isophorone	82	5.375	5.381	-0.006	98	1185277	4.00	4.04	
29 2-Nitrophenol	139	5.451	5.457	-0.006	90	370112	4.00	4.01	
30 2,4-Dimethylphenol	122	5.498	5.504	-0.006	90	575573	4.00	4.05	
31 Bis(2-chloroethoxy)methane	93	5.592	5.592	0.000	100	689979	4.00	3.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 2,4-Dichlorophenol	162	5.698	5.704	-0.006	94	544805	4.00	4.07	
34 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	94	617237	4.00	3.99	
* 35 Naphthalene-d8	136	5.839	5.845	-0.006	100	3564142	8.00	8.00	
36 Naphthalene	128	5.863	5.863	0.000	99	1867896	4.00	4.07	
37 4-Chloroaniline	127	5.916	5.916	0.000	96	777652	4.00	4.09	
38 Hexachlorobutadiene	225	5.981	5.987	-0.006	95	374386	4.00	4.00	
39 Caprolactam	113	6.263	6.287	-0.024	92	159814	4.00	4.46	
40 4-Chloro-3-methylphenol	107	6.404	6.416	-0.012	97	540391	4.00	4.15	
41 2-Methylnaphthalene	142	6.557	6.557	0.000	86	1273455	4.00	4.11	
42 1-Methylnaphthalene	142	6.657	6.657	0.000	93	1188888	4.00	4.10	
43 Hexachlorocyclopentadiene	237	6.710	6.716	-0.006	96	459036	4.00	3.98	
44 1,2,4,5-Tetrachlorobenzene	216	6.722	6.728	-0.006	97	627854	4.00	4.03	
45 2-tertbutyl-4-methylphenol	149	6.751	6.757	-0.006	90	886095	NC	NC	
46 2,4,6-Trichlorophenol	196	6.839	6.839	0.000	91	384164	4.00	4.02	
47 2,4,5-Trichlorophenol	196	6.881	6.887	-0.005	96	403027	4.00	3.99	
\$ 48 2-Fluorobiphenyl	172	6.922	6.922	0.000	98	1310675	4.00	3.85	
49 1,1'-Biphenyl	154	7.022	7.028	-0.006	95	1471361	4.00	4.05	
50 2-Chloronaphthalene	162	7.045	7.045	0.000	97	1130540	4.00	4.04	
53 Phenyl ether	170	7.128	7.128	0.000	86	789764	4.00	4.18	
54 2-Nitroaniline	65	7.145	7.151	-0.006	97	417494	4.00	4.54	
55 1,3-Dimethylnaphthalene	156	7.257	7.263	-0.006	92	980358	4.00	4.27	
56 Dimethyl phthalate	163	7.328	7.334	-0.006	99	1200616	4.00	4.12	
57 Coumarin	146	7.351	7.357	-0.006	77	384854	4.00	4.31	
58 2,6-Dinitrotoluene	165	7.386	7.392	-0.006	95	285956	4.00	4.18	
59 Acenaphthylene	152	7.457	7.463	-0.006	97	1774332	4.00	4.08	
60 3-Nitroaniline	138	7.551	7.563	-0.012	94	290757	4.00	4.07	
* 61 Acenaphthene-d10	164	7.598	7.598	0.000	93	1919413	8.00	8.00	
63 3,5-di-tert-butyl-4-hydrox	205	7.610	7.610	0.000	97	1149236	NC	NC	
62 Acenaphthene	154	7.628	7.634	-0.006	94	1059758	4.00	3.98	
64 2,4-Dinitrophenol	184	7.651	7.663	-0.012	97	265579	8.00	7.51	
65 4-Nitrophenol	65	7.728	7.734	-0.006	92	350121	8.00	8.21	
67 2,4-Dinitrotoluene	165	7.781	7.786	-0.005	97	366628	4.00	4.24	
66 Dibenzofuran	168	7.798	7.804	-0.006	95	1558050	4.00	4.09	
68 2,3,4,6-Tetrachlorophenol	232	7.922	7.922	0.000	94	299467	4.00	4.05	
69 Diethyl phthalate	149	8.022	8.028	-0.006	98	1163496	4.00	4.12	
71 4-Chlorophenyl phenyl ethe	204	8.133	8.139	-0.006	88	621940	4.00	4.07	
70 Fluorene	166	8.139	8.139	0.000	96	1215990	4.00	4.06	
72 4-Nitroaniline	138	8.157	8.169	-0.012	89	264675	4.00	4.31	
73 4,6-Dinitro-2-methylphenol	198	8.181	8.192	-0.012	87	391585	8.00	8.02	
74 N-Nitrosodiphenylamine	169	8.251	8.257	-0.006	67	850610	4.00	4.28	
75 1,2-Diphenylhydrazine	77	8.292	8.298	-0.006	97	1223105	4.00	3.94	
\$ 76 2,4,6-Tribromophenol	330	8.375	8.381	-0.006	95	189393	4.00	3.96	
77 4-Bromophenyl phenyl ether	248	8.622	8.622	0.000	92	358407	4.00	4.02	
78 Hexachlorobenzene	284	8.680	8.681	0.000	97	385168	4.00	4.00	
79 Atrazine	200	8.780	8.786	-0.006	94	308511	4.00	4.46	
121 Pentachlorophenol	266	8.875	8.880	-0.005	93	356284	8.00	7.67	
81 Pentachloronitrobenzene	237	8.886	8.886	0.000	86	150678	NC	NC	
82 n-Octadecane	57	8.945	8.945	0.000	95	782953	4.00	3.82	
* 83 Phenanthrene-d10	188	9.069	9.069	0.000	98	2805114	8.00	8.00	
84 Phenanthrene	178	9.086	9.092	-0.006	98	1542719	4.00	4.06	
85 Anthracene	178	9.139	9.139	0.000	98	1589072	4.00	4.07	
86 Carbazole	167	9.298	9.298	0.000	96	1324975	4.00	4.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Di-n-butyl phthalate	149	9.627	9.633	-0.006	100	1657629	4.00	4.16	
88 Fluoranthene	202	10.263	10.263	0.000	98	1426022	4.00	4.15	
122 Benzidine	184	10.398	10.398	0.000	99	528051	4.00	4.28	
90 Pyrene	202	10.498	10.498	0.000	98	1425262	4.00	4.05	
\$ 91 Terphenyl-d14	244	10.651	10.657	-0.006	99	936779	4.00	3.86	
92 Butyl benzyl phthalate	149	11.198	11.198	0.000	99	518124	4.00	4.04	
93 Carbamazepine	193	11.327	11.333	-0.006	92	334325	4.00	3.85	
94 3,3'-Dichlorobenzidine	252	11.851	11.857	-0.006	99	344294	4.00	4.07	
95 Benzo[a]anthracene	228	11.886	11.886	0.000	98	1011082	4.00	3.92	
* 96 Chrysene-d12	240	11.898	11.898	0.000	99	1773314	8.00	8.00	
98 Bis(2-ethylhexyl) phthalat	149	11.916	11.916	0.000	89	680083	4.00	3.87	
97 Chrysene	228	11.927	11.933	-0.006	99	938689	4.00	4.08	
99 Di-n-octyl phthalate	149	12.810	12.816	-0.006	97	936564	4.00	4.06	
100 Benzo[b]fluoranthene	252	13.339	13.345	-0.006	99	736510	4.00	4.01	
101 Benzo[k]fluoranthene	252	13.380	13.386	-0.006	99	793542	4.00	4.26	
102 Benzo[a]pyrene	252	13.798	13.804	-0.006	98	693028	4.00	4.13	
* 103 Perylene-d12	264	13.880	13.886	-0.006	98	1235719	8.00	8.00	
104 Indeno[1,2,3-cd]pyrene	276	15.368	15.374	-0.006	99	586310	4.00	3.83	
105 Dibenz(a,h)anthracene	278	15.398	15.409	-0.011	96	618690	4.00	4.04	
106 Benzo[g,h,i]perylene	276	15.751	15.762	-0.011	98	606036	4.00	3.82	
S 119 Total Cresols	1				0			4.05	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

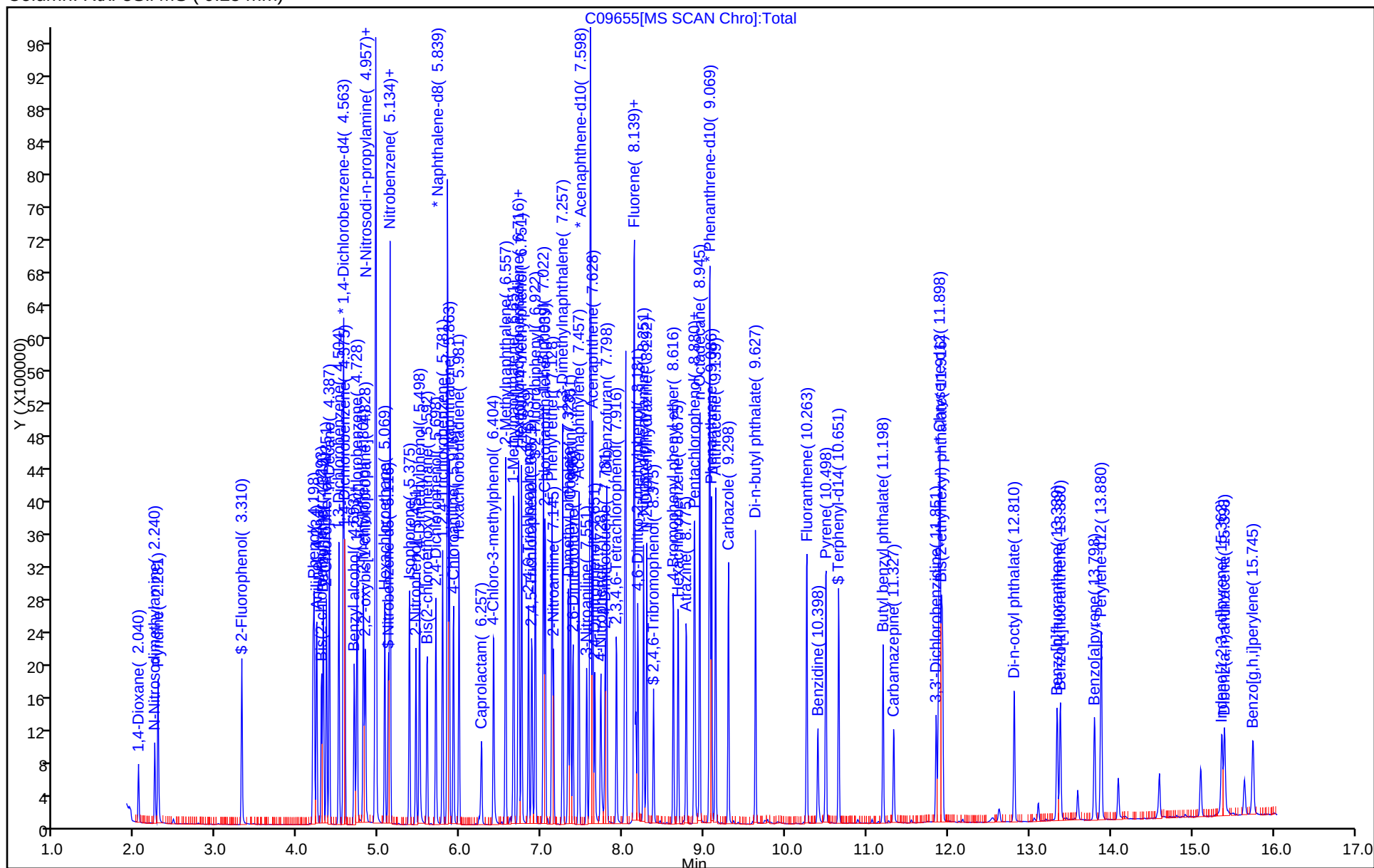
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Amount Added: 1.00

Units: mL

Data File:	\\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09655.D		
Injection Date:	04-Oct-2014 22:16:30	Instrument ID:	CBNAMS13
Lims ID:	STD4		
Client ID:			
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_R13	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

ALS Bottle#: 5



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CBNAMS13\20141004-18923.b\C09656.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 04-Oct-2014 22:40:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018923-006
 Operator ID: Instrument ID: CBNAMS13
 Sublist: chrom-8270LVI_R13*sub1
 Method: \\EDICHRON\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 10:07:36 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHRON\ChromData\CBNAMS13\20141004-18923.b\C09665.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: bayoumiw

Date: 05-Oct-2014 06:15:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.046	2.034	0.012	96	130300	2.00	2.12	
2 N-Nitrosodimethylamine	74	2.246	2.240	0.006	80	174333	2.00	1.97	
3 Pyridine	79	2.287	2.275	0.012	90	311736	2.00	2.02	
\$ 4 2-Fluorophenol	112	3.310	3.310	0.000	95	275945	2.00	1.84	
\$ 6 Phenol-d5	99	4.181	4.198	-0.017	90	393799	2.00	2.02	
7 Phenol	94	4.193	4.210	-0.017	99	409948	2.00	2.02	
8 Aniline	93	4.228	4.240	-0.012	99	498801	2.00	2.06	
9 Bis(2-chloroethyl)ether	93	4.287	4.298	-0.011	98	326429	2.00	2.09	
125 Benzonitrile	103	4.310	4.322	-0.012	98	611381	2.00	2.03	
10 2-Chlorophenol	128	4.351	4.357	-0.006	95	346464	2.00	2.04	
11 n-Decane	43	4.387	4.393	-0.006	87	336760	2.00	2.02	
12 1,3-Dichlorobenzene	146	4.504	4.510	-0.006	94	398792	2.00	2.08	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.563	-0.006	96	986406	8.00	8.00	
14 1,4-Dichlorobenzene	146	4.575	4.581	-0.006	95	399860	2.00	2.07	
15 Benzyl alcohol	108	4.693	4.698	-0.005	91	162315	2.00	1.83	
16 1,2-Dichlorobenzene	146	4.728	4.728	0.000	93	368850	2.00	2.03	
17 2-Methylphenol	108	4.804	4.816	-0.012	88	305251	2.00	2.05	
18 2,2'-oxybis[1-chloropropan	45	4.828	4.834	-0.006	90	409031	2.00	2.05	
126 N-Methylaniline	106	4.951	4.957	-0.006	87	499238	2.00	2.02	
22 3 & 4 Methylphenol	108	4.957	4.969	-0.012	85	362595	NC	NC	
21 4-Methylphenol	108	4.957	4.969	-0.012	71	354153	2.00	2.05	
19 Acetophenone	105	4.957	4.969	-0.012	94	475425	2.00	2.10	
20 N-Nitrosodi-n-propylamine	70	4.951	4.969	-0.018	93	249039	2.00	2.07	
24 Hexachloroethane	117	5.069	5.069	0.000	94	160233	2.00	2.07	
\$ 25 Nitrobenzene-d5	82	5.110	5.122	-0.012	89	359807	2.00	1.95	
26 Nitrobenzene	77	5.128	5.140	-0.012	89	498629	2.00	2.01	
27 n,n'-Dimethylaniline	120	5.134	5.140	-0.006	84	528352	2.00	2.00	
28 Isophorone	82	5.369	5.381	-0.012	99	641968	2.00	2.11	
29 2-Nitrophenol	139	5.451	5.457	-0.006	89	196474	2.00	2.05	
30 2,4-Dimethylphenol	122	5.493	5.504	-0.011	90	307425	2.00	2.08	
31 Bis(2-chloroethoxy)methane	93	5.587	5.592	-0.005	99	360003	2.00	2.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 2,4-Dichlorophenol	162	5.698	5.704	-0.006	96	282627	2.00	2.03	
34 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	94	331095	2.00	2.06	
* 35 Naphthalene-d8	136	5.840	5.845	-0.005	100	3700486	8.00	8.00	
36 Naphthalene	128	5.857	5.863	-0.006	99	986439	2.00	2.07	
37 4-Chloroaniline	127	5.910	5.916	-0.006	96	408979	2.00	2.07	
38 Hexachlorobutadiene	225	5.981	5.987	-0.006	95	195671	2.00	2.01	
39 Caprolactam	113	6.245	6.287	-0.042	92	73572	2.00	1.98	
40 4-Chloro-3-methylphenol	107	6.404	6.416	-0.012	95	278842	2.00	2.06	
41 2-Methylnaphthalene	142	6.551	6.557	-0.006	85	671880	2.00	2.09	
42 1-Methylnaphthalene	142	6.651	6.657	-0.006	93	638413	2.00	2.12	
43 Hexachlorocyclopentadiene	237	6.710	6.716	-0.006	96	232132	2.00	1.88	
44 1,2,4,5-Tetrachlorobenzene	216	6.722	6.728	-0.006	97	333184	2.00	2.00	
45 2-tertbutyl-4-methylphenol	149	6.751	6.757	-0.006	91	446162	NC	NC	
46 2,4,6-Trichlorophenol	196	6.834	6.839	-0.005	90	210930	2.00	2.07	
47 2,4,5-Trichlorophenol	196	6.875	6.887	-0.011	97	225002	2.00	2.08	
\$ 48 2-Fluorobiphenyl	172	6.922	6.922	0.000	97	712962	2.00	1.96	
49 1,1'-Biphenyl	154	7.022	7.028	-0.006	95	790397	2.00	2.04	
50 2-Chloronaphthalene	162	7.039	7.045	-0.006	97	604009	2.00	2.02	
53 Phenyl ether	170	7.128	7.128	0.000	85	395249	2.00	1.96	
54 2-Nitroaniline	65	7.139	7.151	-0.012	97	219572	2.00	2.24	
55 1,3-Dimethylnaphthalene	156	7.257	7.263	-0.006	93	487120	2.00	1.99	
56 Dimethyl phthalate	163	7.322	7.334	-0.012	99	653457	2.00	2.10	
57 Coumarin	146	7.351	7.357	-0.006	77	197058	2.00	2.13	
58 2,6-Dinitrotoluene	165	7.381	7.392	-0.011	94	152843	2.00	2.09	
59 Acenaphthylene	152	7.451	7.463	-0.012	98	969024	2.00	2.09	
60 3-Nitroaniline	138	7.551	7.563	-0.012	95	160463	2.00	2.10	
* 61 Acenaphthene-d10	164	7.598	7.598	0.000	92	2050709	8.00	8.00	
63 3,5-di-tert-butyl-4-hydrox	205	7.604	7.610	-0.006	97	565880	NC	NC	
62 Acenaphthene	154	7.628	7.634	-0.006	94	587284	2.00	2.07	
64 2,4-Dinitrophenol	184	7.651	7.663	-0.012	92	111535	4.00	3.99	
65 4-Nitrophenol	65	7.722	7.734	-0.012	92	175250	4.00	3.85	
67 2,4-Dinitrotoluene	165	7.781	7.786	-0.005	97	196201	2.00	2.12	
66 Dibenzofuran	168	7.798	7.804	-0.006	95	845037	2.00	2.08	
68 2,3,4,6-Tetrachlorophenol	232	7.916	7.922	-0.006	94	161646	2.00	2.04	
69 Diethyl phthalate	149	8.022	8.028	-0.006	98	641398	2.00	2.13	
71 4-Chlorophenyl phenyl ethe	204	8.134	8.139	-0.005	87	337734	2.00	2.07	
70 Fluorene	166	8.139	8.139	0.000	95	671476	2.00	2.10	
72 4-Nitroaniline	138	8.151	8.169	-0.018	92	138422	2.00	2.11	
73 4,6-Dinitro-2-methylphenol	198	8.181	8.192	-0.011	85	193512	4.00	3.69	
74 N-Nitrosodiphenylamine	169	8.251	8.257	-0.006	66	404880	2.00	1.90	
75 1,2-Diphenylhydrazine	77	8.292	8.298	-0.006	98	665731	2.00	2.00	
\$ 76 2,4,6-Tribromophenol	330	8.375	8.381	-0.006	95	98668	2.00	1.93	
77 4-Bromophenyl phenyl ether	248	8.616	8.622	-0.006	89	194913	2.00	2.04	
78 Hexachlorobenzene	284	8.675	8.681	-0.005	97	210502	2.00	2.04	
79 Atrazine	200	8.775	8.786	-0.011	94	138259	2.00	1.86	
121 Pentachlorophenol	266	8.875	8.880	-0.005	92	168583	4.00	3.38	
81 Pentachloronitrobenzene	237	8.881	8.886	-0.005	87	72756	NC	NC	
82 n-Octadecane	57	8.939	8.945	-0.006	95	419115	2.00	1.91	
* 83 Phenanthrene-d10	188	9.063	9.069	-0.006	99	3010326	8.00	8.00	
84 Phenanthrene	178	9.086	9.092	-0.006	97	843679	2.00	2.07	
85 Anthracene	178	9.139	9.139	0.000	98	853157	2.00	2.04	
86 Carbazole	167	9.292	9.298	-0.006	96	717049	2.00	2.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Di-n-butyl phthalate	149	9.628	9.633	-0.005	100	862376	2.00	2.02	
88 Fluoranthene	202	10.257	10.263	-0.006	98	755704	2.00	2.05	
122 Benzidine	184	10.398	10.398	0.000	99	267430	2.00	2.02	
90 Pyrene	202	10.492	10.498	-0.006	98	771009	2.00	2.15	
\$ 91 Terphenyl-d14	244	10.651	10.657	-0.006	99	505546	2.00	2.04	
92 Butyl benzyl phthalate	149	11.198	11.198	0.000	98	264198	2.00	2.02	
93 Carbamazepine	193	11.327	11.333	-0.006	93	144846	2.00	1.93	
94 3,3'-Dichlorobenzidine	252	11.851	11.857	-0.006	99	149814	2.00	1.96	
95 Benzo[a]anthracene	228	11.880	11.886	-0.006	98	536264	2.00	2.04	
* 96 Chrysene-d12	240	11.898	11.898	0.000	99	1810446	8.00	8.00	
98 Bis(2-ethylhexyl) phthalat	149	11.916	11.916	0.000	88	342279	2.00	2.06	
97 Chrysene	228	11.927	11.933	-0.006	99	483212	2.00	2.06	
99 Di-n-octyl phthalate	149	12.810	12.816	-0.006	97	475540	2.00	2.11	
100 Benzo[b]fluoranthene	252	13.339	13.345	-0.006	99	364673	2.00	2.03	
101 Benzo[k]fluoranthene	252	13.374	13.386	-0.012	99	388385	2.00	2.13	
102 Benzo[a]pyrene	252	13.798	13.804	-0.006	97	342494	2.00	2.09	
* 103 Perylene-d12	264	13.880	13.886	-0.006	98	1207632	8.00	8.00	
104 Indeno[1,2,3-cd]pyrene	276	15.362	15.374	-0.012	99	292457	2.00	1.95	
105 Dibenz(a,h)anthracene	278	15.398	15.409	-0.011	95	301028	2.00	2.01	
106 Benzo[g,h,i]perylene	276	15.745	15.762	-0.017	98	284958	2.00	1.84	
S 119 Total Cresols	1				0			2.05	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL4_00022

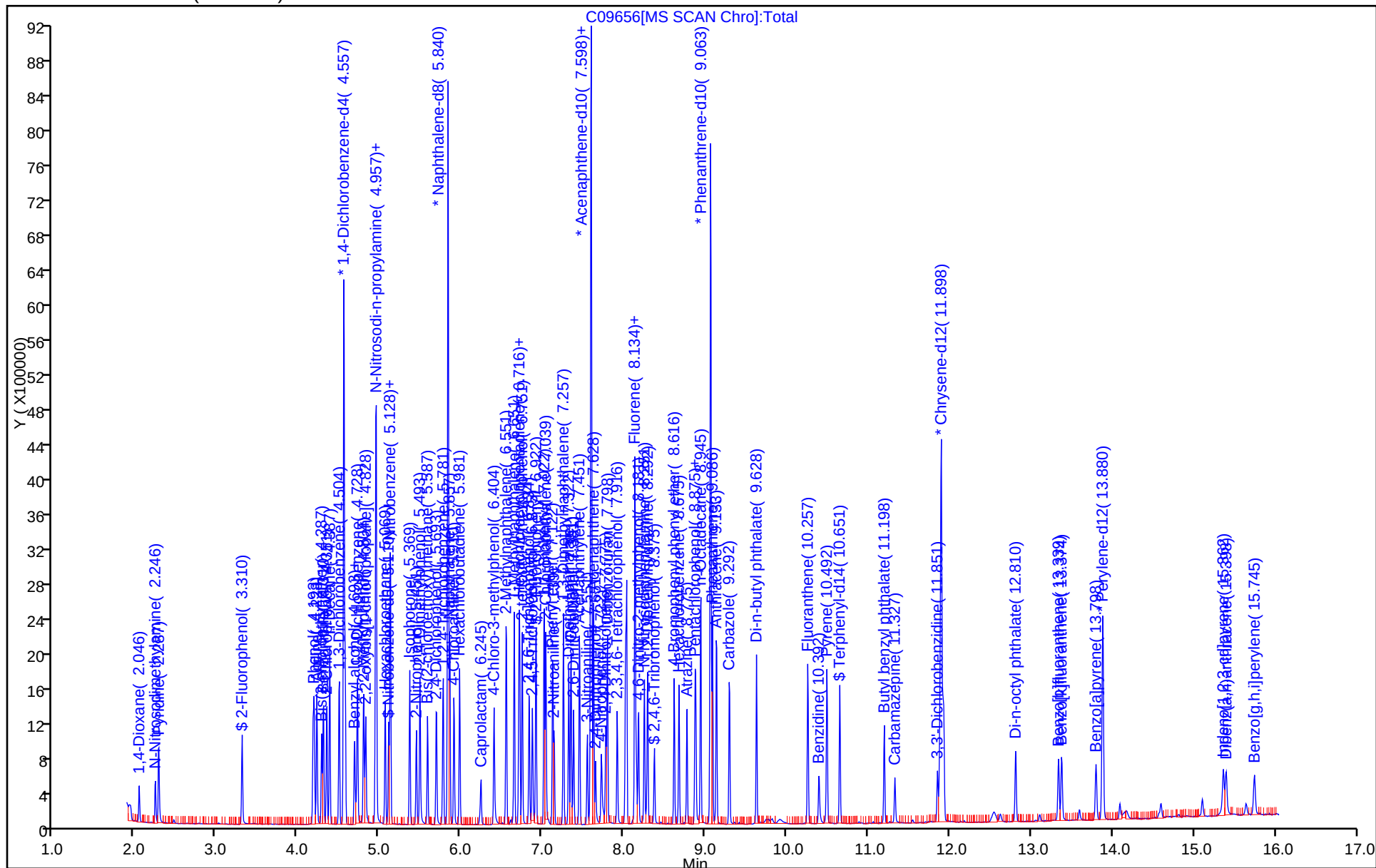
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09656.D
Injection Date: 04-Oct-2014 22:40:30 Instrument ID: CBNAMS13
Lims ID: STD2
Client ID:
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R13 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm)

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



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09657.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 04-Oct-2014 23:04:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018923-007
 Operator ID: Instrument ID: CBNAMS13
 Sublist: chrom-8270LVI_R13*sub1
 Method: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 10:07:38 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09665.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: bayoumiw

Date: 05-Oct-2014 06:16:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.040	2.034	0.006	96	59147	1.00	0.8527	
2 N-Nitrosodimethylamine	74	2.240	2.240	0.000	81	79424	1.00	0.7955	
3 Pyridine	79	2.281	2.275	0.006	88	143969	1.00	0.8236	
\$ 4 2-Fluorophenol	112	3.310	3.310	0.000	96	130478	1.00	0.7675	
\$ 6 Phenol-d5	99	4.181	4.198	-0.017	91	174624	1.00	0.7937	
7 Phenol	94	4.193	4.210	-0.017	99	188071	1.00	0.8177	
8 Aniline	93	4.228	4.240	-0.012	99	233096	1.00	0.8508	
9 Bis(2-chloroethyl)ether	93	4.287	4.298	-0.011	99	154822	1.00	0.8779	
125 Benzonitrile	103	4.304	4.322	-0.018	98	302106	1.00	0.8864	
10 2-Chlorophenol	128	4.351	4.357	-0.006	96	163285	1.00	0.8503	
11 n-Decane	43	4.387	4.393	-0.006	88	161263	1.00	0.8557	
12 1,3-Dichlorobenzene	146	4.504	4.510	-0.006	94	187965	1.00	0.8672	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.563	-0.006	97	1115581	8.00	8.00	
14 1,4-Dichlorobenzene	146	4.575	4.581	-0.006	94	188199	1.00	0.8599	
15 Benzyl alcohol	108	4.693	4.698	-0.006	94	69577	1.00	0.6922	
16 1,2-Dichlorobenzene	146	4.728	4.728	0.000	95	179363	1.00	0.8729	
17 2-Methylphenol	108	4.798	4.816	-0.018	88	140148	1.00	0.8341	
18 2,2'-oxybis[1-chloropropan	45	4.828	4.834	-0.006	89	196251	1.00	0.8716	
126 N-Methylaniline	106	4.945	4.957	-0.012	80	241887	1.00	0.8649	
22 3 & 4 Methylphenol	108	4.957	4.969	-0.012	79	173902	NC	NC	
21 4-Methylphenol	108	4.957	4.969	-0.012	69	167440	1.00	0.8590	
19 Acetophenone	105	4.957	4.969	-0.012	94	231311	1.00	0.9029	
20 N-Nitrosodi-n-propylamine	70	4.951	4.969	-0.018	91	122116	1.00	0.8982	
24 Hexachloroethane	117	5.069	5.069	0.000	95	76180	1.00	0.8696	
\$ 25 Nitrobenzene-d5	82	5.110	5.122	-0.012	89	175442	1.00	0.8403	
26 Nitrobenzene	77	5.128	5.140	-0.012	88	242596	1.00	0.8627	
27 n,n'-Dimethylaniline	120	5.128	5.140	-0.012	86	267780	1.00	0.8942	
28 Isophorone	82	5.369	5.381	-0.012	99	305876	1.00	0.8850	
29 2-Nitrophenol	139	5.451	5.457	-0.006	91	94157	1.00	0.8665	
30 2,4-Dimethylphenol	122	5.492	5.504	-0.012	90	144005	1.00	0.8605	
31 Bis(2-chloroethoxy)methane	93	5.587	5.592	-0.005	100	183323	1.00	0.8993	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 2,4-Dichlorophenol	162	5.698	5.704	-0.006	96	136504	1.00	0.8650	
34 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	93	153237	1.00	0.8411	
* 35 Naphthalene-d8	136	5.839	5.845	-0.006	100	4198120	8.00	8.00	
36 Naphthalene	128	5.857	5.863	-0.006	99	476695	1.00	0.8815	
37 4-Chloroaniline	127	5.910	5.916	-0.006	95	192741	1.00	0.8615	
38 Hexachlorobutadiene	225	5.981	5.987	-0.006	95	95545	1.00	0.8666	
39 Caprolactam	113	6.234	6.287	-0.053	92	37277	1.00	0.8825	
40 4-Chloro-3-methylphenol	107	6.404	6.416	-0.012	97	137601	1.00	0.8970	
41 2-Methylnaphthalene	142	6.551	6.557	-0.006	84	318473	1.00	0.8718	
42 1-Methylnaphthalene	142	6.651	6.657	-0.006	92	301753	1.00	0.8840	
43 Hexachlorocyclopentadiene	237	6.710	6.716	-0.006	96	110517	1.00	0.7540	
44 1,2,4,5-Tetrachlorobenzene	216	6.716	6.728	-0.012	97	156809	1.00	0.7926	
45 2-tertbutyl-4-methylphenol	149	6.751	6.757	-0.006	91	225287	NC	NC	
46 2,4,6-Trichlorophenol	196	6.834	6.839	-0.005	89	97416	1.00	0.8032	
47 2,4,5-Trichlorophenol	196	6.875	6.887	-0.011	97	107670	1.00	0.8383	
\$ 48 2-Fluorobiphenyl	172	6.916	6.922	-0.006	98	353652	1.00	0.8182	
49 1,1'-Biphenyl	154	7.016	7.028	-0.012	95	382328	1.00	0.8284	
50 2-Chloronaphthalene	162	7.039	7.045	-0.006	97	302470	1.00	0.8503	
53 Phenyl ether	170	7.122	7.128	-0.006	85	196565	1.00	0.8183	
54 2-Nitroaniline	65	7.139	7.151	-0.012	98	109281	1.00	0.9363	
55 1,3-Dimethylnaphthalene	156	7.257	7.263	-0.006	92	238084	1.00	0.8171	
56 Dimethyl phthalate	163	7.322	7.334	-0.012	99	330217	1.00	0.8927	
57 Coumarin	146	7.345	7.357	-0.012	77	101620	1.00	0.9663	
58 2,6-Dinitrotoluene	165	7.381	7.392	-0.011	95	76259	1.00	0.8774	
59 Acenaphthylene	152	7.451	7.463	-0.012	98	478690	1.00	0.8668	
60 3-Nitroaniline	138	7.551	7.563	-0.012	95	80024	1.00	0.8827	
* 61 Acenaphthene-d10	164	7.598	7.598	0.000	92	2437795	8.00	8.00	
63 3,5-di-tert-butyl-4-hydrox	205	7.604	7.610	-0.006	97	289494	NC	NC	
62 Acenaphthene	154	7.628	7.634	-0.006	94	296815	1.00	0.8783	
64 2,4-Dinitrophenol	184	7.651	7.663	-0.012	90	34544	2.00	2.32	
65 4-Nitrophenol	65	7.728	7.734	-0.006	92	73355	2.00	1.35	
67 2,4-Dinitrotoluene	165	7.775	7.786	-0.011	97	100807	1.00	0.9181	
66 Dibenzofuran	168	7.798	7.804	-0.006	95	429916	1.00	0.8881	
68 2,3,4,6-Tetrachlorophenol	232	7.916	7.922	-0.006	94	76053	1.00	0.8090	
69 Diethyl phthalate	149	8.016	8.028	-0.012	98	328519	1.00	0.9164	
71 4-Chlorophenyl phenyl ethe	204	8.133	8.139	-0.006	88	170435	1.00	0.8791	
70 Fluorene	166	8.133	8.139	-0.006	95	336677	1.00	0.8858	
72 4-Nitroaniline	138	8.151	8.169	-0.018	87	70723	1.00	0.9070	
73 4,6-Dinitro-2-methylphenol	198	8.175	8.192	-0.017	87	85165	2.00	1.31	
74 N-Nitrosodiphenylamine	169	8.251	8.257	-0.006	68	226227	1.00	0.8568	
75 1,2-Diphenylhydrazine	77	8.286	8.298	-0.012	99	340410	1.00	0.8247	
\$ 76 2,4,6-Tribromophenol	330	8.375	8.381	-0.006	94	48873	1.00	0.8055	
77 4-Bromophenyl phenyl ether	248	8.616	8.622	-0.006	90	96503	1.00	0.8149	
78 Hexachlorobenzene	284	8.675	8.681	-0.005	96	110168	1.00	0.8603	
79 Atrazine	200	8.775	8.786	-0.011	93	78285	1.00	0.8521	
121 Pentachlorophenol	266	8.875	8.880	-0.005	90	62382	2.00	1.01	
81 Pentachloronitrobenzene	237	8.880	8.886	-0.006	87	33148	NC	NC	
82 n-Octadecane	57	8.939	8.945	-0.006	95	206593	1.00	0.7591	
* 83 Phenanthrene-d10	188	9.063	9.069	-0.006	99	3729004	8.00	8.00	
84 Phenanthrene	178	9.086	9.092	-0.006	96	428137	1.00	0.8477	
85 Anthracene	178	9.133	9.139	-0.006	99	444230	1.00	0.8554	
86 Carbazole	167	9.292	9.298	-0.006	95	372378	1.00	0.8709	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Di-n-butyl phthalate	149	9.627	9.633	-0.006	100	451706	1.00	0.8521	
88 Fluoranthene	202	10.257	10.263	-0.006	98	406417	1.00	0.8907	
122 Benzidine	184	10.398	10.398	0.000	99	141852	1.00	0.8648	
90 Pyrene	202	10.492	10.498	-0.006	98	401428	1.00	0.9044	
\$ 91 Terphenyl-d14	244	10.651	10.657	-0.006	99	265566	1.00	0.8666	
92 Butyl benzyl phthalate	149	11.198	11.198	0.000	97	139165	1.00	0.8604	
93 Carbamazepine	193	11.327	11.333	-0.006	93	71687	1.00	1.08	
94 3,3'-Dichlorobenzidine	252	11.851	11.857	-0.006	98	82877	1.00	1.09	
95 Benzo[a]anthracene	228	11.880	11.886	-0.006	97	277262	1.00	0.8522	
* 96 Chrysene-d12	240	11.898	11.898	0.000	99	2236367	8.00	8.00	
98 Bis(2-ethylhexyl) phthalat	149	11.916	11.916	0.000	88	166886	1.00	1.01	
97 Chrysene	228	11.927	11.933	-0.006	99	250190	1.00	0.8625	
99 Di-n-octyl phthalate	149	12.810	12.816	-0.006	97	235950	1.00	0.8924	
100 Benzo[b]fluoranthene	252	13.339	13.345	-0.006	99	183231	1.00	0.8710	
101 Benzo[k]fluoranthene	252	13.374	13.386	-0.012	99	191851	1.00	0.8979	
102 Benzo[a]pyrene	252	13.798	13.804	-0.006	98	165893	1.00	0.8636	
* 103 Perylene-d12	264	13.886	13.886	0.000	99	1416293	8.00	8.00	
104 Indeno[1,2,3-cd]pyrene	276	15.362	15.374	-0.012	99	139842	1.00	0.7964	
105 Dibenz(a,h)anthracene	278	15.398	15.409	-0.011	95	146143	1.00	0.8326	
106 Benzo[g,h,i]perylene	276	15.745	15.762	-0.017	97	144460	1.00	0.7952	
S 119 Total Cresols	1				0			0.8341	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_BNAL3_00013

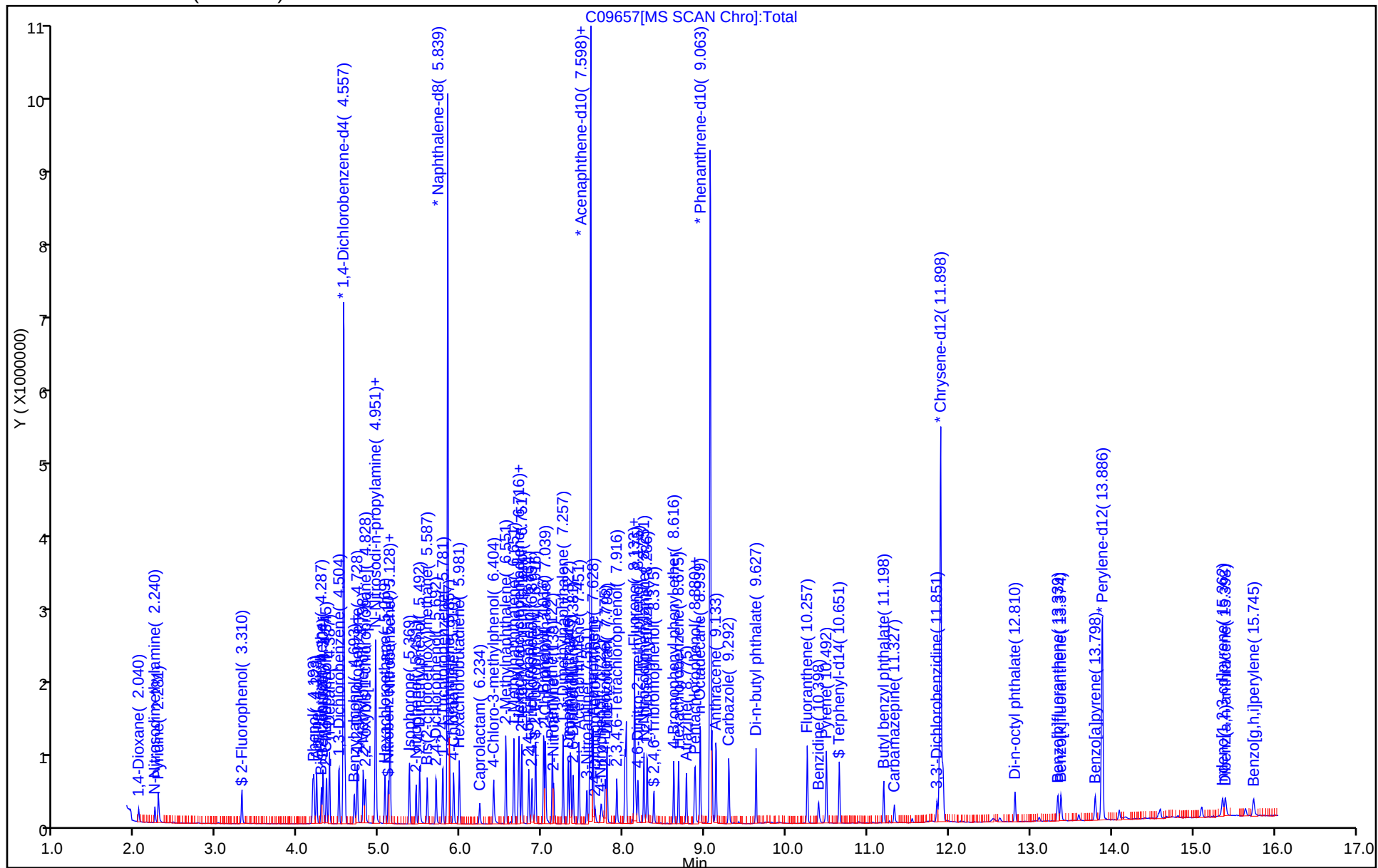
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09657.D
Injection Date: 04-Oct-2014 23:04:30 Instrument ID: CBNAMS13
Lims ID: STD1
Client ID:
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R13 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm)

Operator ID:
Worklist Smp#: 7
ALS Bottle#: 7



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09658.D
 Lims ID: STD02
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 04-Oct-2014 23:27:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018923-008
 Operator ID: Instrument ID: CBNAMS13
 Sublist: chrom-8270LVI_R13*sub1
 Method: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 10:07:41 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09665.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: bayoumiw

Date: 05-Oct-2014 06:16:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	4.287	4.298	-0.011	98	31043	0.2000	0.1961	
* 13 1,4-Dichlorobenzene-d4	152	4.563	4.563	0.000	96	1001510	8.00	8.00	
20 N-Nitrosodi-n-propylamine	70	4.951	4.969	-0.018	78	24042	0.2000	0.1970	
24 Hexachloroethane	117	5.069	5.069	0.000	92	14452	0.2000	0.1838	
\$ 25 Nitrobenzene-d5	82	5.110	5.122	-0.012	88	37857	0.2000	0.2020	
26 Nitrobenzene	77	5.128	5.140	-0.012	91	48940	0.2000	0.1939	
27 n,n'-Dimethylaniline	120	5.128	5.140	-0.012	90	54050	0.2000	0.2010	
34 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	94	29895	0.2000	0.1828	
* 35 Naphthalene-d8	136	5.839	5.845	-0.006	100	3768449	8.00	8.00	
38 Hexachlorobutadiene	225	5.981	5.987	-0.006	94	19059	0.2000	0.1926	
\$ 48 2-Fluorobiphenyl	172	6.916	6.922	-0.006	98	75108	0.2000	0.1986	
58 2,6-Dinitrotoluene	165	7.381	7.392	-0.011	92	13441	0.2000	0.1768	
* 61 Acenaphthene-d10	164	7.598	7.598	0.000	92	2132739	8.00	8.00	
67 2,4-Dinitrotoluene	165	7.781	7.786	-0.006	94	17403	0.2000	0.1812	
78 Hexachlorobenzene	284	8.675	8.681	-0.005	95	20826	0.2000	0.1847	
* 83 Phenanthrene-d10	188	9.063	9.069	-0.006	99	3283942	8.00	8.00	
\$ 91 Terphenyl-d14	244	10.651	10.657	-0.006	98	51344	0.2000	0.1949	
95 Benzo[a]anthracene	228	11.886	11.886	0.000	96	57505	0.2000	0.2056	
* 96 Chrysene-d12	240	11.898	11.898	0.000	99	1922702	8.00	8.00	
100 Benzo[b]fluoranthene	252	13.339	13.345	-0.006	97	34399	0.2000	0.1836	
101 Benzo[k]fluoranthene	252	13.374	13.386	-0.012	98	35263	0.2000	0.1853	
102 Benzo[a]pyrene	252	13.798	13.804	-0.006	97	31272	0.2000	0.1828	
* 103 Perylene-d12	264	13.880	13.886	-0.006	98	1261201	8.00	8.00	
104 Indeno[1,2,3-cd]pyrene	276	15.362	15.374	-0.012	96	26086	0.2000	0.1668	
105 Dibenzo(a,h)anthracene	278	15.398	15.409	-0.011	94	27883	0.2000	0.1784	

Reagents:

SM_BNAL2_00011

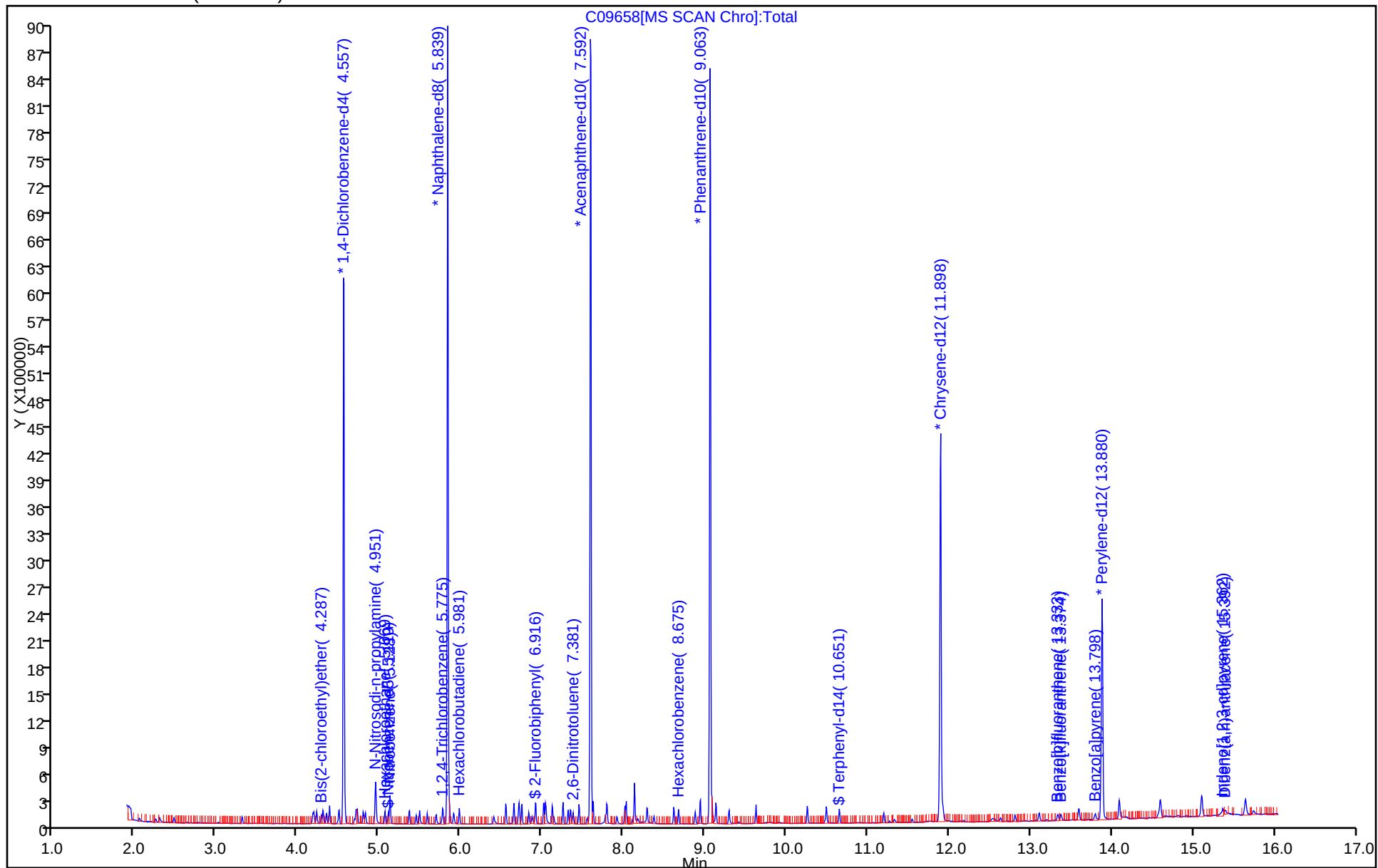
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09658.D
Injection Date: 04-Oct-2014 23:27:30 Instrument ID: CBNAMS13
Lims ID: STD02
Client ID:
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R13 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm)

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



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09659.D
 Lims ID: STD01
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 04-Oct-2014 23:51:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018923-009
 Operator ID: Instrument ID: CBNAMS13
 Sublist: chrom-8270LVI_R13*sub1
 Method: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 10:07:44 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09665.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: bayoumiw

Date: 05-Oct-2014 06:17:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	4.287	4.298	-0.011	94	15962	0.1000	0.0991	
* 13 1,4-Dichlorobenzene-d4	152	4.557	4.563	-0.006	97	1018626	8.00	8.00	
20 N-Nitrosodi-n-propylamine	70	4.951	4.969	-0.018	80	11813	0.1000	0.0952	
24 Hexachloroethane	117	5.069	5.069	0.000	92	8336	0.1000	0.1042	
\$ 25 Nitrobenzene-d5	82	5.110	5.122	-0.012	89	18026	0.1000	0.0942	
26 Nitrobenzene	77	5.128	5.140	-0.012	87	24635	0.1000	0.0956	
27 n,n'-Dimethylaniline	120	5.128	5.140	-0.012	81	26254	0.1000	0.0960	
34 1,2,4-Trichlorobenzene	180	5.781	5.781	0.000	92	18854	0.1000	0.1129	
* 35 Naphthalene-d8	136	5.839	5.845	-0.006	100	3847222	8.00	8.00	
\$ 48 2-Fluorobiphenyl	172	6.916	6.922	-0.006	96	37590	0.1000	0.0961	
* 61 Acenaphthene-d10	164	7.592	7.598	-0.006	92	2206821	8.00	8.00	
78 Hexachlorobenzene	284	8.675	8.681	-0.005	93	11944	0.1000	0.0996	
* 83 Phenanthrene-d10	188	9.063	9.069	-0.006	99	3493203	8.00	8.00	
\$ 91 Terphenyl-d14	244	10.651	10.657	-0.006	99	27688	0.1000	0.0989	
95 Benzo[a]anthracene	228	11.880	11.886	-0.006	97	33696	0.1000	0.1134	
* 96 Chrysene-d12	240	11.898	11.898	0.000	100	2042115	8.00	8.00	
100 Benzo[b]fluoranthene	252	13.333	13.345	-0.012	97	20560	0.1000	0.1070	
101 Benzo[k]fluoranthene	252	13.374	13.386	-0.012	97	19739	0.1000	0.1011	
102 Benzo[a]pyrene	252	13.798	13.804	-0.006	96	16114	0.1000	0.0918	
* 103 Perylene-d12	264	13.880	13.886	-0.006	98	1294078	8.00	8.00	
104 Indeno[1,2,3-cd]pyrene	276	15.362	15.374	-0.012	94	13938	0.1000	0.0869	
105 Dibenz(a,h)anthracene	278	15.398	15.409	-0.011	94	13540	0.1000	0.0844	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL1_00010

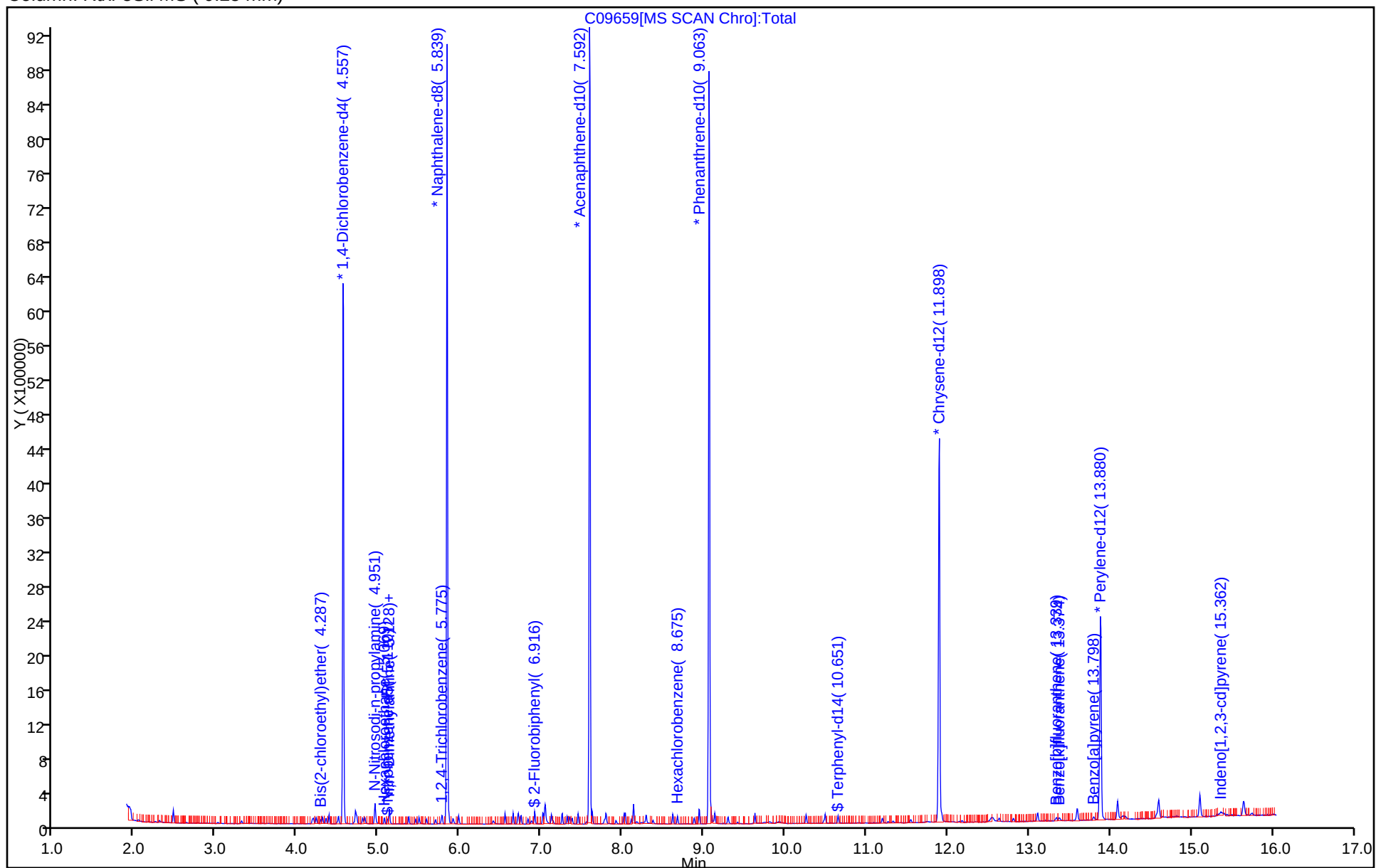
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09659.D
Injection Date: 04-Oct-2014 23:51:30 Instrument ID: CBNAMS13
Lims ID: STD01
Client ID:
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R13 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm)

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



TestAmerica Edison

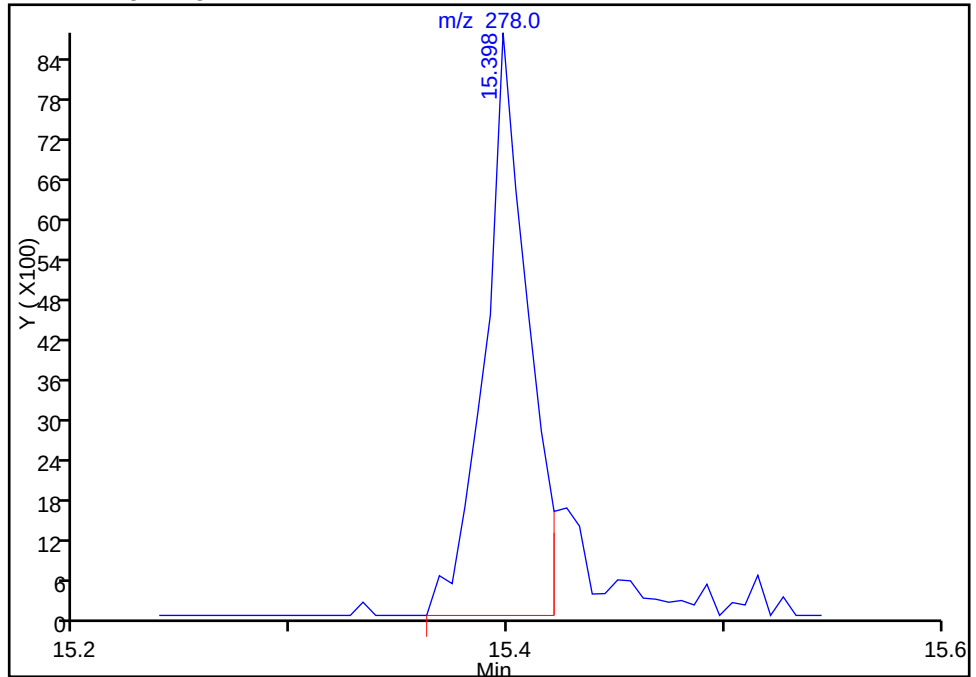
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Injection Date: 04-Oct-2014 23:51:30 Instrument ID: CBNAMS13
Lims ID: STD01
Client ID:
Operator ID:
Injection Vol: 5.0 ul
Method: 8270LVI_R13
Column: Rtxi-5Sil MS (0.25 mm)

ALS Bottle#: 9 Worklist Smp#: 9
Dil. Factor: 1.0000
Limit Group: SV 625 ICAL
Detector: MS SCAN

105 Dibenz(a,h)anthracene, CAS: 53-70-3

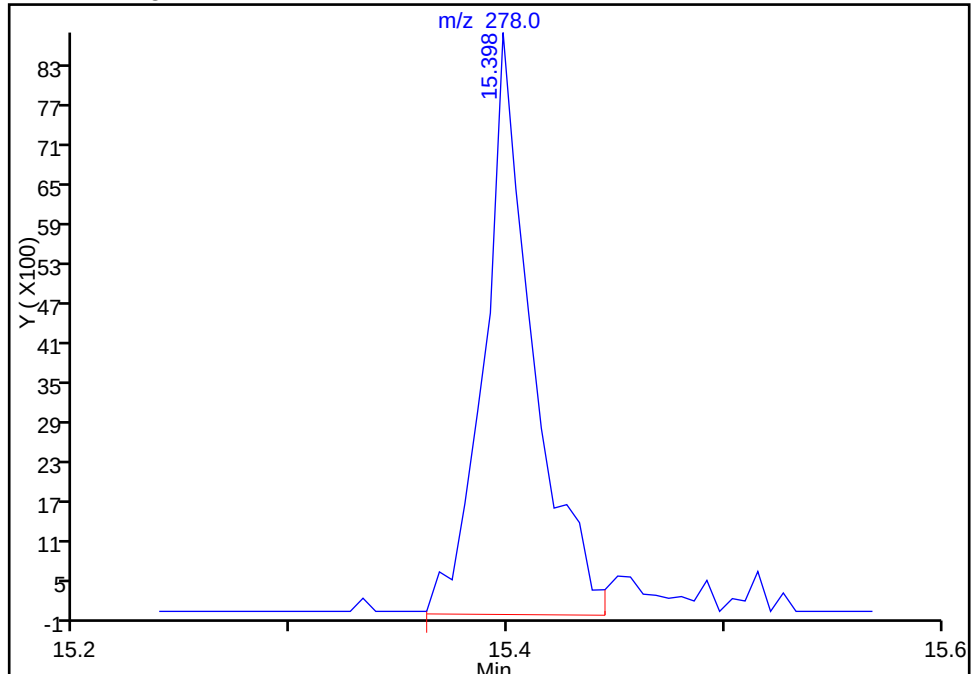
RT: 15.40
Response: 12023
Amount: 0.075865

Processing Integration Results



RT: 15.40
Response: 13540
Amount: 0.084428

Manual Integration Results



Reviewer: bayoumiw, 05-Oct-2014 06:17:35
Audit Action: Manually Integrated
Audit Reason: Baseline

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 254350

SDG No.: _____

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2014 19:35 Calibration End Date: 10/07/2014 22:38 Calibration ID: 43383

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-254350/9	N1105.D
Level 2	STD02 460-254350/8	N1104.D
Level 3	STD1 460-254350/7	N1103.D
Level 4	STD2 460-254350/6	N1102.D
Level 5	STD4 460-254350/5	N1101.D
Level 6	ICIS 460-254350/2	N1098.D
Level 7	STD16 460-254350/4	N1100.D
Level 8	STD24 460-254350/3	N1099.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								
	LVL 6	LVL 7	LVL 8														
1,4-Dioxane	0.7081	0.7168	0.5951 0.7178	0.7262	0.7025	Ave		0.6944				7.1		35.0			
N-Nitrosodimethylamine	0.9197	0.9086	0.7800 0.9038	0.9553	0.9100	Ave		0.8962				6.7		35.0			
Pyridine	1.6425	1.6626	1.3157 1.6724	1.6399	1.6542	Ave		1.5979				8.7		35.0			
Phenol	1.7006	1.6367	1.4236 1.6333	1.7140	1.6210	Ave		1.6215				6.4		35.0			
Aniline	2.0533	2.0386	1.6774 2.0228	2.0039	2.0276	Ave		1.9706				7.3		35.0			
Bis(2-chloroethyl)ether	1.6411 1.3789	1.3644 1.3362	1.1974 1.3725	1.3923	1.3651	Ave		1.3810				8.8		35.0			
Benzonitrile	2.4138	2.2700	1.9997 2.2636	2.3123	2.4861	Ave		2.2909				7.3		35.0			
2-Chlorophenol	1.3790	1.3338	1.1291 1.3073	1.3743	1.3456	Ave		1.3115				7.1		35.0			
Decane	2.3588	2.3606	2.0038 2.3082	2.4463	2.3896	Ave		2.3112				6.8		35.0			
1,3-Dichlorobenzene	1.5659	1.5420	1.3240 1.5352	1.5807	1.5605	Ave		1.5181				6.4		35.0			
1,4-Dichlorobenzene	1.5685	1.5549	1.3577 1.5233	1.6141	1.5419	Ave		1.5267				5.8		35.0			
Benzyl alcohol	0.8047	0.5859	0.5169 0.6707	0.6577	0.6266	Ave		0.6438				15.0		35.0			
1,2-Dichlorobenzene	1.4604	1.4209	1.2489 1.3960	1.4642	1.4164	Ave		1.4011				5.6		35.0			
2-Methylphenol	1.2166	1.1789	1.0230 1.1608	1.2234	1.1970	Ave		1.1666				6.3		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 254350

SDG No.: _____

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2014 19:35 Calibration End Date: 10/07/2014 22:38 Calibration ID: 43383

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	2.6105	2.5182	2.3297 2.4351	2.7145	2.5979	Ave		2.5343				5.4		35.0			
N-Methylaniline	1.8505	1.7316	1.6259 1.6991	1.8473	1.8917	Ave		1.7743				5.9		35.0			
4-Methylphenol	1.2737	1.1878	1.1270 1.1848	1.3018	1.2641	Ave		1.2232				5.5		35.0			
N-Nitrosodi-n-propylamine	0.9148 0.8765	0.9259 0.8275	0.7934 0.8207	0.9304	0.8792	Ave		0.8710			0.0500	6.0		35.0			
Acetophenone	1.7049	1.6037	1.5131 1.5893	1.7636	1.7457	Ave		1.6534				6.0		35.0			
Hexachloroethane	0.6500 0.6162	0.5345 0.6111	0.4756 0.6058	0.6251	0.5967	Ave		0.5894				9.6		35.0			
Nitrobenzene	0.5759 0.6280	0.5805 0.6272	0.5290 0.5977	0.6229	0.6218	Ave		0.5979				5.8		35.0			
n,n'-Dimethylaniline	1.8122 1.8752	1.8196 1.7633	1.5746 1.7088	1.8528	1.8863	Ave		1.7866				5.8		35.0			
Isophorone	0.7122	0.6934	0.6193 0.6751	0.7173	0.6880	Ave		0.6842				5.2		35.0			
2-Nitrophenol	0.1811	0.1831	0.1457 0.1768	0.1738	0.1690	Ave		0.1716				8.0		35.0			
2,4-Dimethylphenol	0.3060	0.2918	0.2539 0.2901	0.2742	0.3011	Ave		0.2862				6.7		35.0			
Bis(2-chloroethoxy)methane	0.4637	0.4515	0.3706 0.4361	0.4530	0.4345	Ave		0.4349				7.7		35.0			
2,4-Dichlorophenol	0.3068	0.3016	0.2516 0.2891	0.3009	0.2940	Ave		0.2907				6.9		35.0			
1,2,4-Trichlorobenzene	0.3782 0.3648	0.3291 0.3641	0.3035 0.3502	0.3630	0.3472	Ave		0.3500				6.8		35.0			
Naphthalene	1.1282	1.1148	0.9429 1.0762	1.1361	1.0799	Ave		1.0797				6.6		35.0			
4-Chloroaniline	0.3796	0.3693	0.3088 0.3605	0.3748	0.3553	Ave		0.3581				7.2		35.0			
Hexachlorobutadiene	0.2478	0.2169 0.2508	0.2020 0.2379	0.2445	0.2398	Ave		0.2343				7.7		35.0			
Caprolactam	0.0506	0.0469	0.0358 0.0447	0.0452	0.0586	Ave		0.0470				16.0		35.0			
4-Chloro-3-methylphenol	0.2732	0.2592	0.1960 0.2626	0.2606	0.2522	Ave		0.2506				11.0		35.0			
2-Methylnaphthalene	0.6478	0.6289	0.5366 0.6234	0.6547	0.6209	Ave		0.6187				6.9		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 254350

SDG No.: _____

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2014 19:35 Calibration End Date: 10/07/2014 22:38 Calibration ID: 43383

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.5970	0.5779	0.4803 0.5697	0.5951	0.5719	Ave		0.5653				7.6		35.0			
Hexachlorocyclopentadiene	0.5254	0.5761	0.3689 0.5566	0.4800	0.4734	Ave		0.4967			0.0500	15.0		35.0			
1,2,4,5-Tetrachlorobenzene	0.7827	0.8000	0.6567 0.7811	0.7890	0.7684	Ave		0.7630				7.0		35.0			
2,4,6-Trichlorophenol	0.5065	0.4684	0.3437 0.4797	0.4659	0.4496	Ave		0.4523				12.0		35.0			
2,4,5-Trichlorophenol	0.4021	0.3782	0.2784 0.4054	0.3745	0.3827	Ave		0.3702				13.0		35.0			
Diphenyl	1.7770	1.8025	1.4463 1.7930	1.7401	1.7394	Ave		1.7164				7.9		35.0			
2-Chloronaphthalene	1.3527	1.3548	1.1053 1.3271	1.3745	1.3103	Ave		1.3041				7.7		35.0			
Diphenyl ether	0.9473	0.9314	0.7613 0.9327	0.9206	0.9366	Ave		0.9050				7.8		35.0			
2-Nitroaniline	0.5070	0.5084	0.3887 0.5030	0.4921	0.4846	Ave		0.4806				9.6		35.0			
Dimethylnaphthalene, total	1.0960	1.0438	0.7981 1.0406	1.0156	1.0865	Ave		1.0134				11.0		35.0			
Dimethyl phthalate	1.2170	1.2123	0.9628 1.1897	1.1919	1.1951	Ave		1.1615				8.4		35.0			
Coumarin	0.1591	0.1448	0.1264 0.1409	0.1429	0.1561	Ave		0.1450				8.1		35.0			
2,6-Dinitrotoluene	0.2714	0.2001 0.2639	0.2128 0.2613	0.2649	0.2629	Ave		0.2482				12.0		35.0			
Acenaphthylene	2.0674	2.0700	1.6081 2.0720	2.0389	2.0265	Ave		1.9805				9.3		35.0			
3-Nitroaniline	0.2248	0.2204	0.2088 0.1979	0.2447	0.2308	Ave		0.2213				7.4		35.0			
Acenaphthene	1.2856	1.2464	1.0681 1.2063	1.3337	1.3170	Ave		1.2429				7.8		35.0			
2,4-Dinitrophenol	0.1430	0.1510	0.0453 0.1538	0.0828	0.1096	Qua	-0.286	0.1554	0.0000981		0.0500				1.0000		0.9900
4-Nitrophenol	0.2111	0.1816	0.0987 0.1874	0.1455	0.1737	Ave		0.1663			0.0500	24.0		35.0			
2,4-Dinitrotoluene	0.3296	0.1990 0.3217	0.2417 0.3033	0.3288	0.3223	Ave		0.2923				18.0		35.0			
Dibenzofuran	1.8019	1.7985	1.4719 1.7842	1.7978	1.7527	Ave		1.7345				7.5		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 254350

SDG No.: _____

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2014 19:35 Calibration End Date: 10/07/2014 22:38 Calibration ID: 43383

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,3,4,6-Tetrachlorophenol	0.3419	0.3270	0.2445 0.3317	0.2870	0.3082	Ave		0.3067				12.0		35.0			
Diethyl phthalate	1.1830	1.1433	0.9249 1.1084	1.1734	1.1512	Ave		1.1140				8.6		35.0			
4-Chlorophenyl phenyl ether	0.6543	0.6596	0.5469 0.6486	0.6529	0.6612	Ave		0.6372				7.0		35.0			
Fluorene	1.3309	1.3117	1.0595 1.2887	1.3139	1.2746	Ave		1.2632				8.1		35.0			
4-Nitroaniline	0.1797	0.1411	0.1466 0.1108	0.1813	0.1757	Ave		0.1559				18.0		35.0			
4,6-Dinitro-2-methylphenol	0.1194	0.1216	0.0567 0.1248	0.0920	0.1085	Ave		0.1038				25.0		35.0			
N-Nitrosodiphenylamine	0.5645	0.5587	0.4709 0.5664	0.5508	0.6008	Ave		0.5520				7.8		35.0			
1,2-Diphenylhydrazine	1.0225	1.0273	0.7946 1.0502	1.0038	0.9754	Ave		0.9790				9.6		35.0			
4-Bromophenyl phenyl ether	0.2779	0.2832	0.2185 0.2830	0.2664	0.2672	Ave		0.2660				9.2		35.0			
Hexachlorobenzene	0.3010 0.3158	0.2768 0.3174	0.2636 0.3190	0.3276	0.3075	Ave		0.3036				7.4		35.0			
Atrazine	0.1806	0.1703	0.1292 0.1699	0.1667	0.1921	Ave		0.1681				13.0		35.0			
Pentachlorophenol	0.1519	0.1403	0.0703 0.1497	0.1112	0.1229	Ave		0.1244				25.0		35.0			
n-Octadecane	0.9828	1.0022	0.6714 1.0403	0.8772	0.9148	Ave		0.9148				15.0		35.0			
Phenanthrene	1.1608	1.1494	0.9746 1.1120	1.1752	1.1397	Ave		1.1186				6.6		35.0			
Anthracene	1.1369	1.1304	0.9539 1.1189	1.1520	1.1248	Ave		1.1028				6.7		35.0			
Carbazole	0.8561	0.7108	0.7222 0.5745	0.9163	0.8680	Ave		0.7747				17.0		35.0			
Di-n-butyl phthalate	1.0545	1.0149	0.7921 0.9816	1.0459	1.0231	Ave		0.9853				10.0		35.0			
Fluoranthene	0.9376	0.9110	0.7159 0.8833	1.0067	0.9607	Ave		0.9025				11.0		35.0			
Benzidine	0.0563	0.0688	0.1213 0.0718	0.1376	0.1310	Ave		0.0978				37.0	*	35.0			
Pyrene	1.8830	1.6933	1.5325 1.5690	1.8967	1.9292	Ave		1.7506				10.0		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 254350

SDG No.: _____

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2014 19:35 Calibration End Date: 10/07/2014 22:38 Calibration ID: 43383

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Butyl benzyl phthalate	0.5468	0.5257	0.3838 0.5218	0.4884	0.5161	Ave		0.4971				12.0		35.0			
2,3,7,8-TCDD	0.2142					Ave		0.2142						35.0			
Carbamazepine	0.2585	0.2729	0.1523 0.2742	0.1781	0.2459	Ave		0.2303				23.0		35.0			
3,3'-Dichlorobenzidine	0.2708	0.2466	0.2100 0.2408	0.2499	0.2797	Ave		0.2496				9.8		35.0			
Benzo[a]anthracene	1.1879 1.1780	0.9916 1.1368	0.8920 1.1276	1.0903	1.1000	Ave		1.0880				9.2		35.0			
Bis(2-ethylhexyl) phthalate	0.7596	0.7214	0.4789 0.7432	0.5813	0.6462	Ave		0.6551				17.0		35.0			
Chrysene	1.1105	1.1057	0.8979 1.1101	1.1150	1.0544	Ave		1.0656				8.0		35.0			
Di-n-octyl phthalate	1.5612	1.4250	0.9007 1.3772	1.1803	1.2808	Ave		1.2875				18.0		35.0			
Benzo[b]fluoranthene	0.7112 1.2000	0.7657 1.1305	0.8725 1.1416	0.9961	1.0273	Ave		0.9806				18.0		35.0			
Benzo[k]fluoranthene	1.0979 1.4346	1.0330 1.3776	1.1173 1.2843	1.1989	1.2955	Ave		1.2299				12.0		35.0			
Benzo[a]pyrene	0.7162 1.2163	0.7933 1.1477	0.8031 1.1351	1.0230	1.0159	Ave		0.9813				19.0		35.0			
Indeno[1,2,3-cd]pyrene	0.6087 1.1073	0.6429 1.2519	0.6635 1.2503	0.7688	0.9327	Ave		0.9033				30.0		35.0			
Dibenz(a,h)anthracene	0.5005 1.1736	0.5175 1.1893	0.7340 1.2272	0.9217	0.8976	Ave		0.8952				33.0		35.0			
Benzo[g,h,i]perylene	1.2511	1.2923	0.8416 1.3394	1.0679	1.0312	Ave		1.1373				17.0		35.0			
2-Fluorophenol	1.4087	1.4587	1.1452 1.6644	1.3751	1.3367	Ave		1.3981				12.0		35.0			
Phenol-d5	1.6090	1.6179	1.3784 1.7648	1.5583	1.5318	Ave		1.5767				8.0		35.0			
Nitrobenzene-d5	0.4537 0.4545	0.4351 0.4606	0.3787 0.4935	0.4413	0.4318	Ave		0.4436				7.3		35.0			
2-Fluorobiphenyl	1.7153 1.6601	1.6075 1.7358	1.3568 1.9069	1.6148	1.5451	Ave		1.6428				9.7		35.0			
2,4,6-Tribromophenol	0.2217	0.2061	0.1495 0.2282	0.1931	0.1886	Ave		0.1979				14.0		35.0			
Terphenyl-d14	1.1417 1.2127	1.1352 1.1255	0.9827 1.1912	1.1836	1.1836	Ave		1.1445				6.3		35.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 254350

SDG No.: _____

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2014 19:35 Calibration End Date: 10/07/2014 22:38 Calibration ID: 43383

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-254350/9	N1105.D
Level 2	STD02 460-254350/8	N1104.D
Level 3	STD1 460-254350/7	N1103.D
Level 4	STD2 460-254350/6	N1102.D
Level 5	STD4 460-254350/5	N1101.D
Level 6	ICIS 460-254350/2	N1098.D
Level 7	STD16 460-254350/4	N1100.D
Level 8	STD24 460-254350/3	N1099.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	529767	812409	52016 1154580	112046	223157	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodimethylamine	DCB	Ave	688093	1029753	68177 1453884	147400	289078	10.0	16.0	1.00 24.0	2.00	4.00
Pyridine	DCB	Ave	1228928	1884200	115007 2690185	253017	525485	10.0	16.0	1.00 24.0	2.00	4.00
Phenol	DCB	Ave	1272394	1854922	124433 2627198	264451	514941	10.0	16.0	1.00 24.0	2.00	4.00
Aniline	DCB	Ave	1536248	2310338	146614 3253742	309190	644094	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethyl)ether	DCB	Ave	12219 1031711	23857 1514301	104660 2207689	214816	433666	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzonitrile	DCB	Ave	1805956	2572632	174790 3641204	356776	789756	10.0	16.0	1.00 24.0	2.00	4.00
2-Chlorophenol	DCB	Ave	1031735	1511638	98695 2102944	212043	427444	10.0	16.0	1.00 24.0	2.00	4.00
Decane	DCB	Ave	1764811	2675335	175148 3712813	377439	759093	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dichlorobenzene	DCB	Ave	1171586	1747578	115731 2469501	243885	495728	10.0	16.0	1.00 24.0	2.00	4.00
1,4-Dichlorobenzene	DCB	Ave	1173567	1762157	118678 2450262	249037	489829	10.0	16.0	1.00 24.0	2.00	4.00
Benzyl alcohol	DCB	Ave	602074	663968	45185 1078940	101480	199046	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Dichlorobenzene	DCB	Ave	1092628	1610317	109161 2245513	225912	449951	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylphenol	DCB	Ave	910247	1336082	89422 1867289	188754	380240	10.0	16.0	1.00 24.0	2.00	4.00
2,2'-oxybis[1-chloropropane]	DCB	Ave	1953152	2853892	203636 3917003	418829	825280	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 254350

SDG No.: _____

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2014 19:35 Calibration End Date: 10/07/2014 22:38 Calibration ID: 43383

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Methylaniline	DCB	Ave	1384557	1962398	142119 2733082	285021	600932	10.0	16.0	1.00 24.0	2.00	4.00
4-Methylphenol	DCB	Ave	952961	1346189	98509 1905784	200855	401583	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodi-n-propylamine	DCB	Ave	6811 655811	16189 937858	69348 1320068	143548	279281	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acetophenone	DCB	Ave	1275568	1817515	132257 2556545	272106	554556	10.0	16.0	1.00 24.0	2.00	4.00
Hexachloroethane	DCB	Ave	4840 461024	9345 692624	41567 974396	96442	189552	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene	NPT	Ave	14122 1449630	33150 2096983	147421 2914800	305042	623774	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
n,n'-Dimethylaniline	DCB	Ave	13493 1403016	31815 1998333	137635 2748650	285874	599229	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Isophorone	NPT	Ave	1644223	2318187	172597 3292310	351267	690144	10.0	16.0	1.00 24.0	2.00	4.00
2-Nitrophenol	NPT	Ave	417985	612151	40597 862449	85091	169586	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	706296	975377	70758 1414834	134254	302074	10.0	16.0	1.00 24.0	2.00	4.00
Bis (2-chloroethoxy)methane	NPT	Ave	1070534	1509525	103284 2126749	221818	435858	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dichlorophenol	NPT	Ave	708312	1008152	70118 1410168	147354	294949	10.0	16.0	1.00 24.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	9275 842135	18795 1217155	84570 1708101	177771	348310	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Naphthalene	NPT	Ave	2604438	3727007	262764 5248886	556323	1083301	10.0	16.0	1.00 24.0	2.00	4.00
4-Chloroaniline	NPT	Ave	876211	1234768	86067 1758248	183528	356446	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	571989	838627	12387 1160289	119713	240604	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Caprolactam	NPT	Ave	116894	156639	9988 217849	22133	58815	10.0	16.0	1.00 24.0	2.00	4.00
4-Chloro-3-methylphenol	NPT	Ave	630633	866511	54622 1280821	127621	252981	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	1495523	2102633	149533 3040590	320580	622834	10.0	16.0	1.00 24.0	2.00	4.00
1-Methylnaphthalene	NPT	Ave	1378270	1932034	133856 2778614	291420	573712	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Ave	518209	789550	45221 1101367	98892	199513	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 254350

SDG No.: _____

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2014 19:35 Calibration End Date: 10/07/2014 22:38 Calibration ID: 43383

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	771879	1096394	80486 1545666	162545	323852	10.0	16.0	1.00 24.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Ave	499563	642021	42132 949224	95990	189480	10.0	16.0	1.00 24.0	2.00	4.00
2,4,5-Trichlorophenol	ANT	Ave	396576	518321	34118 802253	77163	161307	10.0	16.0	1.00 24.0	2.00	4.00
Diphenyl	ANT	Ave	1752528	2470445	177274 3548094	358510	733086	10.0	16.0	1.00 24.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	1334116	1856851	135471 2626255	283186	552251	10.0	16.0	1.00 24.0	2.00	4.00
Diphenyl ether	ANT	Ave	934214	1276546	93311 1845689	189656	394756	10.0	16.0	1.00 24.0	2.00	4.00
2-Nitroaniline	ANT	Ave	499996	696791	47640 995393	101388	204256	10.0	16.0	1.00 24.0	2.00	4.00
Dimethylnaphthalene, total	ANT	Ave	1080922	1430554	97825 2059211	209236	457915	10.0	16.0	1.00 24.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	1200208	1661517	118013 2354308	245556	503713	10.0	16.0	1.00 24.0	2.00	4.00
Coumarin	NPT	Ave	367355	484137	35224 687295	69976	156559	10.0	16.0	1.00 24.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Ave	267674	361653	4825 517036	54585	110815	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acenaphthylene	ANT	Ave	2038882	2837065	197103 4100285	420053	854090	10.0	16.0	1.00 24.0	2.00	4.00
3-Nitroaniline	ANT	Ave	221742	302069	25595 391676	50420	97276	10.0	16.0	1.00 24.0	2.00	4.00
Acenaphthene	ANT	Ave	1267934	1708243	130916 2387137	274783	555049	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dinitrophenol	ANT	Qua	281976	414031	11109 608616	34127	92355	20.0	32.0	2.00 48.0	4.00	8.00
4-Nitrophenol	ANT	Ave	416364	497733	24193 741674	59956	146424	20.0	32.0	2.00 48.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Ave	325072	440848	4799 600298	67733	135838	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenzofuran	ANT	Ave	1777100	2464859	180409 3530806	370386	738720	10.0	16.0	1.00 24.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	337151	448225	29974 656488	59130	129883	10.0	16.0	1.00 24.0	2.00	4.00
Diethyl phthalate	ANT	Ave	1166756	1566923	113363 2193424	241746	485205	10.0	16.0	1.00 24.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	645305	904001	67032 1283541	134512	278665	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 254350

SDG No.: _____

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2014 19:35 Calibration End Date: 10/07/2014 22:38 Calibration ID: 43383

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Fluorene	ANT	Ave	1312593	1797720	129864 2550134	270690	537215	10.0	16.0	1.00 24.0	2.00	4.00
4-Nitroaniline	ANT	Ave	177263	193379	17966 219313	37345	74032	10.0	16.0	1.00 24.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Ave	326502	449455	18768 649580	51993	127265	20.0	32.0	2.00 48.0	4.00	8.00
N-Nitrosodiphenylamine	PHN	Ave	771873	1032667	77990 1473831	155667	352377	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	1398055	1898843	131610 2732620	283689	572016	10.0	16.0	1.00 24.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	379998	523402	36191 736370	75286	156702	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	4465 431750	8517 586751	43661 830118	92596	180343	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Atrazine	PHN	Ave	246986	314841	21392 442003	47109	112670	10.0	16.0	1.00 24.0	2.00	4.00
Pentachlorophenol	PHN	Ave	415336	518825	23296 779214	62834	144156	20.0	32.0	2.00 48.0	4.00	8.00
n-Octadecane	PHN	Ave	1343820	1852378	111195 2706822	247905	536514	10.0	16.0	1.00 24.0	2.00	4.00
Phenanthrene	PHN	Ave	1587119	2124580	161417 2893424	332142	668412	10.0	16.0	1.00 24.0	2.00	4.00
Anthracene	PHN	Ave	1554483	2089417	157991 2911188	325562	659633	10.0	16.0	1.00 24.0	2.00	4.00
Carbazole	PHN	Ave	1170522	1313876	119615 1494782	258961	509057	10.0	16.0	1.00 24.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	1441764	1875959	131193 2553933	295582	599992	10.0	16.0	1.00 24.0	2.00	4.00
Fluoranthene	PHN	Ave	1281995	1683948	118564 2298199	284513	563443	10.0	16.0	1.00 24.0	2.00	4.00
Benzidine	PHN	Ave	76913	127107	20094 186822	38880	76856	10.0	16.0	1.00 24.0	2.00	4.00
Pyrene	CRY	Ave	1261205	1651728	122867 2278230	274944	549250	10.0	16.0	1.00 24.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	366237	512772	30770 757657	70805	146945	10.0	16.0	1.00 24.0	2.00	4.00
2,3,7,8-TCDD	CRY	Ave	1435					0.100				
Carbamazepine	CRY	Ave	173144	266175	12211 398131	25819	70004	10.0	16.0	1.00 24.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	181361	240565	16833 349613	36220	79619	10.0	16.0	1.00 24.0	2.00	4.00

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 254350

SDG No.: _____

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/07/2014 19:35 Calibration End Date: 10/07/2014 22:38 Calibration ID: 43383

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzo[a]anthracene	CRY	Ave	7846 789009	13354 1108887	71512 1637310	158043	313189	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	508770	703680	38395 1079103	84263	183991	10.0	16.0	1.00 24.0	2.00	4.00
Chrysene	CRY	Ave	743795	1078568	71987 1611982	161629	300191	10.0	16.0	1.00 24.0	2.00	4.00
Di-n-octyl phthalate	PRY	Ave	731744	1102898	44495 1690308	109242	246812	10.0	16.0	1.00 24.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	3018 562448	6570 874985	43102 1401135	92196	197967	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	4659 672390	8864 1066259	55195 1576338	110958	249647	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	3039 570085	6807 888316	39673 1393209	94685	195771	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	2583 518986	5517 968992	32778 1534632	71158	179730	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	2124 550077	4441 920526	36260 1506224	85309	172966	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	586397	1000244	41574 1643962	98841	198715	10.0	16.0	1.00 24.0	2.00	4.00
2-Fluorophenol	DCB	Ave	1053960	1653132	100103 2677318	212162	424628	10.0	16.0	1.00 24.0	2.00	4.00
Phenol-d5	DCB	Ave	1203859	1833651	120487 2838850	240435	486603	10.0	16.0	1.00 24.0	2.00	4.00
Nitrobenzene-d5	NPT	Ave	11125 1049099	24850 1539900	105526 2406906	216094	433153	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	18465 1637254	38758 2379044	166300 3773588	332695	651211	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Tribromophenol	ANT	Ave	218654	282410	18330 451660	39775	79505	10.0	16.0	1.00 24.0	2.00	4.00
Terphenyl-d14	CRY	Ave	7541 812271	15287 1097855	78787 1729618	171570	336976	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CBNAMS14\20141007-19042.b\N1098.D
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 07-Oct-2014 19:35:30 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0019042-002
 Operator ID: BL Instrument ID: CBNAMS14
 Sublist: chrom-8270LVI_14*sub1
 Method: \\EDICHRON\ChromData\CBNAMS14\20141007-19042.b\8270LVI_14.m
 Limit Group: SV 625 ICAL
 Last Update: 08-Oct-2014 11:43:53 Calib Date: 08-Oct-2014 01:14:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHRON\ChromData\CBNAMS14\20141007-19042.b\N1111.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: croccom

Date: 07-Oct-2014 19:57:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.316	2.316	0.000	92	529767	10.0	10.2	
2 N-Nitrosodimethylamine	74	2.446	2.446	0.000	90	688093	10.0	10.3	
3 Pyridine	79	2.475	2.475	0.000	80	1228928	10.0	10.3	
\$ 4 2-Fluorophenol	112	3.251	3.251	0.000	88	1053960	10.0	10.1	
\$ 6 Phenol-d5	99	4.046	4.046	0.000	90	1203859	10.0	10.2	
7 Phenol	94	4.057	4.057	0.000	98	1272394	10.0	10.5	
8 Aniline	93	4.093	4.093	0.000	51	1536248	10.0	10.4	
9 Bis(2-chloroethyl)ether	93	4.151	4.151	0.000	86	1031711	10.0	9.99	
10 Benzonitrile	103	4.175	4.175	0.000	97	1805956	10.0	10.5	
11 2-Chlorophenol	128	4.216	4.216	0.000	86	1031735	10.0	10.5	
12 n-Decane	43	4.257	4.257	0.000	86	1764811	10.0	10.2	
13 1,3-Dichlorobenzene	146	4.369	4.369	0.000	93	1171586	10.0	10.3	
* 14 1,4-Dichlorobenzene-d4	152	4.422	4.422	0.000	78	598553	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.434	4.434	0.000	90	1173567	10.0	10.3	
16 Benzyl alcohol	108	4.551	4.551	0.000	91	602074	10.0	12.5	
17 1,2-Dichlorobenzene	146	4.593	4.593	0.000	92	1092628	10.0	10.4	
18 2-Methylphenol	108	4.663	4.663	0.000	76	910247	10.0	10.4	
19 2,2'-oxybis[1-chloropropan	45	4.693	4.693	0.000	89	1953152	10.0	10.3	
22 N-Methylaniline	106	4.810	4.810	0.000	88	1384557	10.0	10.4	
24 4-Methylphenol	108	4.822	4.822	0.000	69	952961	10.0	10.4	
23 3 & 4 Methylphenol	108	4.822	4.822	0.000	83	952961	NC	NC	
21 Acetophenone	105	4.822	4.822	0.000	84	1275568	10.0	10.3	
25 N-Nitrosodi-n-propylamine	70	4.828	4.828	0.000	79	655811	10.0	10.1	
26 Hexachloroethane	117	4.928	4.928	0.000	94	461024	10.0	10.5	
\$ 27 Nitrobenzene-d5	82	4.975	4.975	0.000	89	1049099	10.0	10.2	
28 Nitrobenzene	77	4.993	4.993	0.000	88	1449630	10.0	10.5	
29 n,n'-Dimethylaniline	120	4.998	4.998	0.000	87	1403016	10.0	10.5	
30 Isophorone	82	5.234	5.234	0.000	98	1644223	10.0	10.4	
32 2-Nitrophenol	139	5.310	5.310	0.000	79	417985	10.0	10.6	
33 2,4-Dimethylphenol	122	5.351	5.351	0.000	63	706296	10.0	10.7	
34 Bis(2-chloroethoxy)methane	93	5.445	5.445	0.000	94	1070534	10.0	10.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.551	5.551	0.000	93	708312	10.0	10.6	
37 1,2,4-Trichlorobenzene	180	5.640	5.640	0.000	77	842135	10.0	10.4	
* 38 Naphthalene-d8	136	5.698	5.698	0.000	100	1846802	8.00	8.00	
39 Naphthalene	128	5.722	5.722	0.000	98	2604438	10.0	10.4	
40 4-Chloroaniline	127	5.769	5.769	0.000	71	876211	10.0	10.6	
41 Hexachlorobutadiene	225	5.851	5.851	0.000	93	571989	10.0	10.6	
42 Caprolactam	113	6.128	6.128	0.000	83	116894	10.0	10.8	M
43 4-Chloro-3-methylphenol	107	6.263	6.263	0.000	91	630633	10.0	10.9	
44 2-Methylnaphthalene	142	6.416	6.416	0.000	80	1495523	10.0	10.5	
45 1-Methylnaphthalene	142	6.516	6.516	0.000	89	1378270	10.0	10.6	
46 Hexachlorocyclopentadiene	237	6.581	6.581	0.000	82	518209	10.0	10.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.587	6.587	0.000	96	771879	10.0	10.3	
48 2-tertbutyl-4-methylphenol	149	6.616	6.616	0.000	79	987785	NC	NC	
49 2,4,6-Trichlorophenol	196	6.698	6.698	0.000	88	499563	10.0	11.2	
50 2,4,5-Trichlorophenol	196	6.734	6.734	0.000	95	396576	10.0	10.9	
\$ 51 2-Fluorobiphenyl	172	6.781	6.781	0.000	97	1637254	10.0	10.1	
52 1,1'-Biphenyl	154	6.881	6.881	0.000	96	1752528	10.0	10.4	
53 2-Chloronaphthalene	162	6.898	6.898	0.000	96	1334116	10.0	10.4	
54 Phenyl ether	170	6.987	6.987	0.000	64	934214	10.0	10.5	
55 2-Nitroaniline	65	6.998	6.998	0.000	92	499996	10.0	10.5	
57 1,3-Dimethylnaphthalene	156	7.116	7.116	0.000	89	1080922	10.0	10.8	
58 Dimethyl phthalate	163	7.186	7.186	0.000	98	1200208	10.0	10.5	
60 Coumarin	146	7.204	7.204	0.000	68	367355	10.0	11.0	
61 2,6-Dinitrotoluene	165	7.239	7.239	0.000	57	267674	10.0	10.9	
62 Acenaphthylene	152	7.316	7.316	0.000	93	2038882	10.0	10.4	
63 3-Nitroaniline	138	7.410	7.410	0.000	89	221742	10.0	10.2	
* 64 Acenaphthene-d10	164	7.451	7.451	0.000	95	788982	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.475	7.475	0.000	98	1197209	NC	NC	
66 Acenaphthene	154	7.486	7.486	0.000	95	1267934	10.0	10.3	
67 2,4-Dinitrophenol	184	7.510	7.510	0.000	77	281976	20.0	20.0	
68 4-Nitrophenol	65	7.575	7.575	0.000	91	416364	20.0	25.4	
69 2,4-Dinitrotoluene	165	7.639	7.639	0.000	91	325072	10.0	11.3	
70 Dibenzofuran	168	7.657	7.657	0.000	92	1777100	10.0	10.4	
72 2,3,4,6-Tetrachlorophenol	232	7.781	7.781	0.000	96	337151	10.0	11.1	
73 Diethyl phthalate	149	7.881	7.881	0.000	96	1166756	10.0	10.6	
75 4-Chlorophenyl phenyl ethe	204	7.992	7.992	0.000	72	645305	10.0	10.3	
74 Fluorene	166	7.992	7.992	0.000	84	1312593	10.0	10.5	
76 4-Nitroaniline	138	8.016	8.016	0.000	93	177263	10.0	11.5	
77 4,6-Dinitro-2-methylphenol	198	8.045	8.045	0.000	32	326502	20.0	23.0	
78 N-Nitrosodiphenylamine	169	8.110	8.110	0.000	25	771873	10.0	10.2	
79 1,2-Diphenylhydrazine	77	8.145	8.145	0.000	96	1398055	10.0	10.4	
\$ 80 2,4,6-Tribromophenol	330	8.233	8.233	0.000	78	218654	10.0	11.2	
81 4-Bromophenyl phenyl ether	248	8.475	8.475	0.000	93	379998	10.0	10.4	
82 Hexachlorobenzene	284	8.545	8.545	0.000	92	431750	10.0	10.4	
83 Atrazine	200	8.633	8.633	0.000	87	246986	10.0	10.7	
84 Pentachlorophenol	266	8.733	8.733	0.000	82	415336	20.0	24.4	
85 Pentachloronitrobenzene	237	8.751	8.751	0.000	90	146841	NC	NC	
86 n-Octadecane	57	8.810	8.810	0.000	86	1343820	10.0	10.7	
* 87 Phenanthrene-d10	188	8.916	8.916	0.000	92	1093848	8.00	8.00	
88 Phenanthrene	178	8.939	8.939	0.000	98	1587119	10.0	10.4	
89 Anthracene	178	8.992	8.992	0.000	98	1554483	10.0	10.3	
90 Carbazole	167	9.145	9.145	0.000	82	1170522	10.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Di-n-butyl phthalate	149	9.486	9.486	0.000	100	1441764	10.0	10.7	
93 Fluoranthene	202	10.110	10.110	0.000	99	1281995	10.0	10.4	
94 Benzidine	184	10.239	10.239	0.000	97	76913	10.0	5.75	
95 Pyrene	202	10.339	10.339	0.000	98	1261205	10.0	10.8	
\$ 96 Terphenyl-d14	244	10.498	10.498	0.000	98	812271	10.0	10.6	
97 Butyl benzyl phthalate	149	11.033	11.033	0.000	98	366237	10.0	11.0	
98 2,3,7,8-TCDD	320	11.151	11.151	0.000	3	1435	0.1000	0.1000	
99 Carbamazepine	193	11.163	11.163	0.000	91	173144	10.0	11.2	
100 3,3'-Dichlorobenzidine	252	11.669	11.669	0.000	98	181361	10.0	10.8	
101 Benzo[a]anthracene	228	11.704	11.704	0.000	97	789009	10.0	10.8	
* 102 Chrysene-d12	240	11.716	11.716	0.000	97	535839	8.00	8.00	
104 Bis(2-ethylhexyl) phthalat	149	11.739	11.739	0.000	89	508770	10.0	11.6	
103 Chrysene	228	11.751	11.751	0.000	96	743795	10.0	10.4	
105 Di-n-octyl phthalate	149	12.610	12.610	0.000	97	731744	10.0	12.1	
106 Benzo[b]fluoranthene	252	13.133	13.133	0.000	97	562448	10.0	12.2	
107 Benzo[k]fluoranthene	252	13.168	13.168	0.000	95	672390	10.0	11.7	
108 Benzo[a]pyrene	252	13.586	13.586	0.000	97	570085	10.0	12.4	
* 109 Perylene-d12	264	13.663	13.663	0.000	98	374967	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	15.127	15.127	0.000	98	518986	10.0	12.3	M
111 Dibenz(a,h)anthracene	278	15.157	15.157	0.000	94	550077	10.0	13.1	
112 Benzo[g,h,i]perylene	276	15.492	15.492	0.000	92	586397	10.0	11.0	
S 119 Total Cresols	1				0			10.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL6_00014

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1098.D

Injection Date: 07-Oct-2014 19:35:30

Instrument ID: CBNAMS14

Operator ID: BL

Lims ID: ICIS

Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul

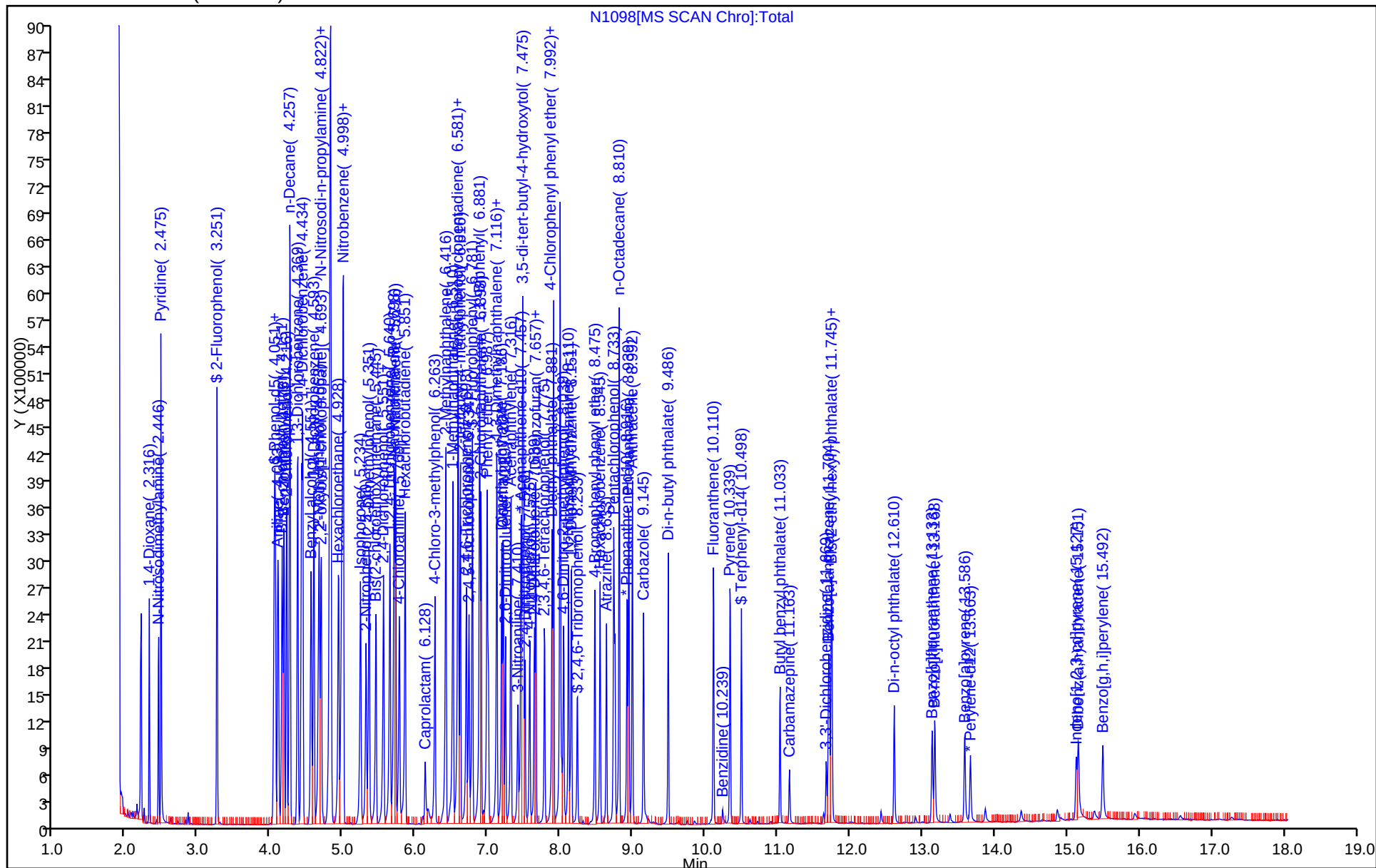
Dil. Factor: 1.0000

ALS Bottle#: 2

Method: 8270LVI_14

Limit Group: SV 625 ICAL

Column: Rtxi-5Sil MS (0.25 mm)



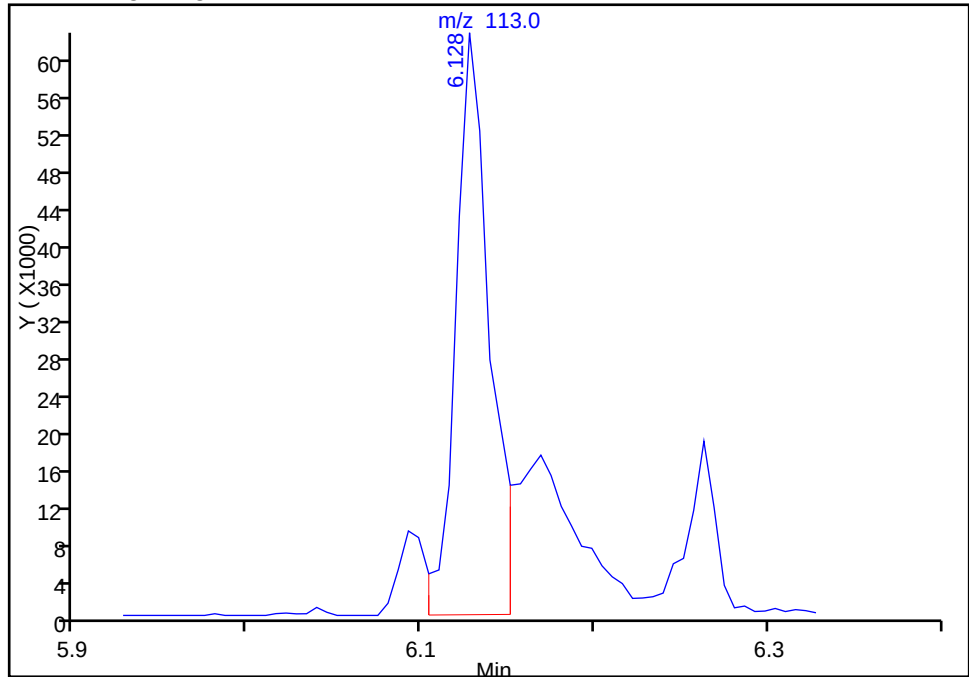
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1098.D		
Injection Date:	07-Oct-2014 19:35:30	Instrument ID:	CBNAMS14
Lims ID:	ICIS		
Client ID:			
Operator ID:	BL	ALS Bottle#:	2 Worklist Smp#: 2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

42 Caprolactam, CAS: 105-60-2

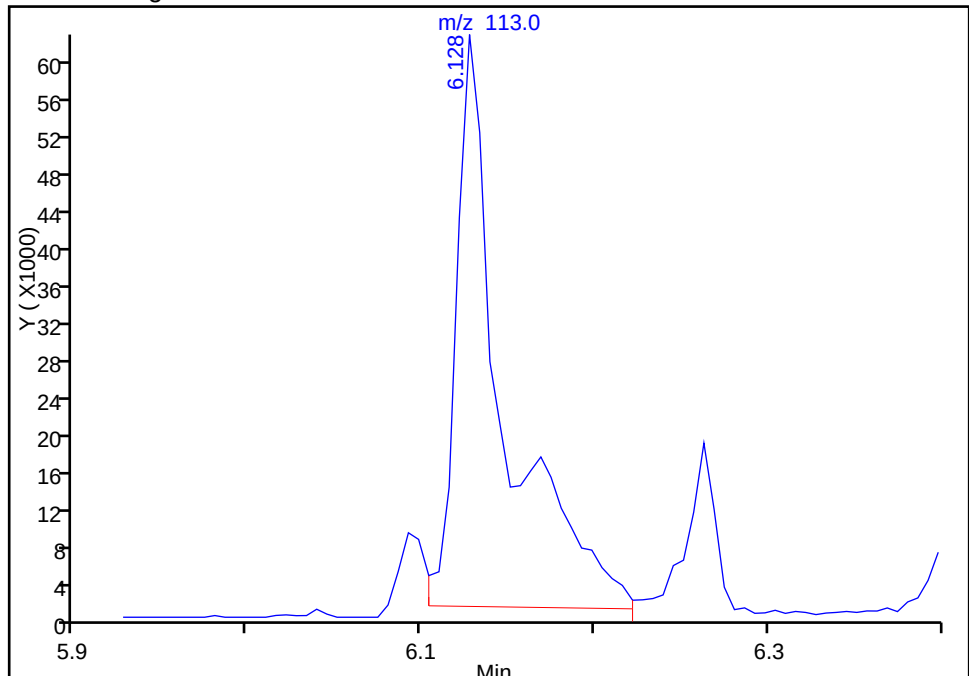
RT: 6.13
Response: 84936
Amount: 10.000000

Processing Integration Results



RT: 6.13
Response: 116894
Amount: 10.780345

Manual Integration Results



Reviewer: croccom, 07-Oct-2014 19:57:18
Audit Action: Manually Integrated
Audit Reason: Split Peak

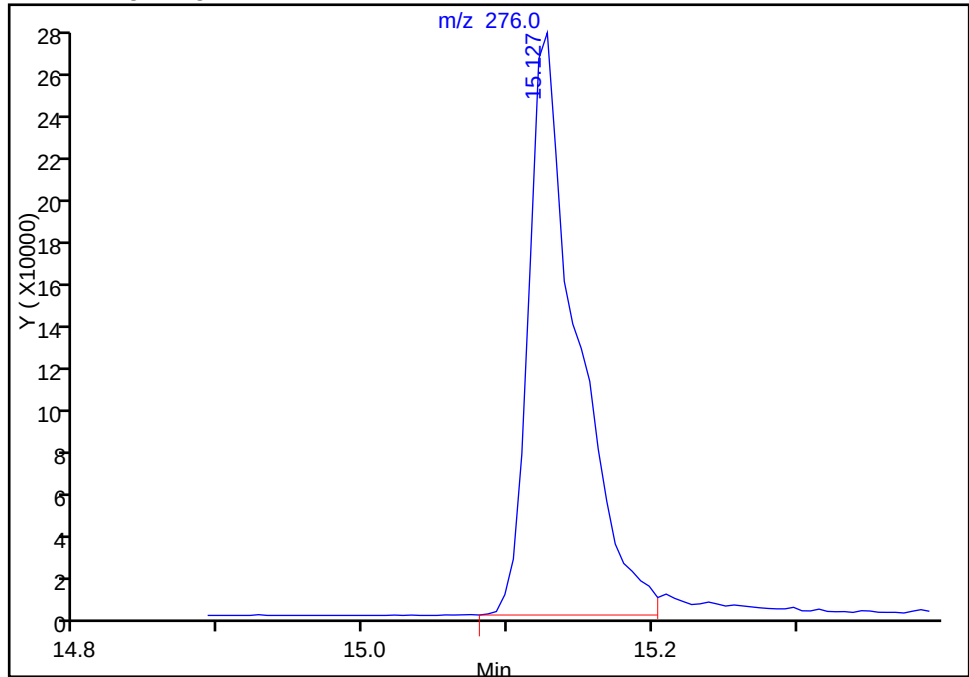
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1098.D		
Injection Date:	07-Oct-2014 19:35:30	Instrument ID:	CBNAMS14
Lims ID:	ICIS		
Client ID:			
Operator ID:	BL	ALS Bottle#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	2

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

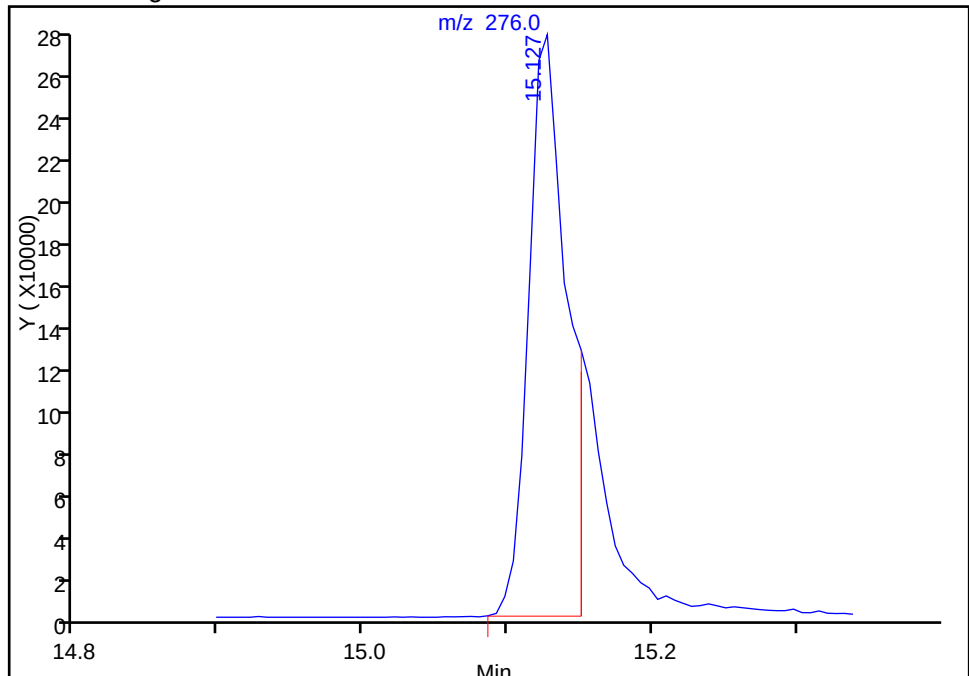
RT: 15.13
Response: 648578
Amount: 10.000000

Processing Integration Results



RT: 15.13
Response: 518986
Amount: 12.258319

Manual Integration Results



Reviewer: croccom, 07-Oct-2014 19:57:18
Audit Action: Manually Integrated
Audit Reason: Shouldering

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1099.D
 Lims ID: STD24
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 07-Oct-2014 20:02:30 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0019042-003
 Operator ID: BL Instrument ID: CBNAMS14
 Sublist: chrom-8270LVI_14*sub1
 Method: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\8270LVI_14.m
 Limit Group: SV 625 ICAL
 Last Update: 08-Oct-2014 11:43:57 Calib Date: 08-Oct-2014 01:14:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1111.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: bayoumiw

Date: 07-Oct-2014 22:01:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.316	2.316	0.000	92	1154580	24.0	24.8	
2 N-Nitrosodimethylamine	74	2.452	2.446	0.006	88	1453884	24.0	24.2	
3 Pyridine	79	2.475	2.475	0.000	80	2690185	24.0	25.1	
\$ 4 2-Fluorophenol	112	3.257	3.251	0.006	89	2677318	24.0	28.6	
\$ 6 Phenol-d5	99	4.063	4.046	0.017	85	2838850	24.0	26.9	
7 Phenol	94	4.075	4.057	0.018	97	2627198	24.0	24.2	
8 Aniline	93	4.098	4.093	0.005	99	3253742	24.0	24.6	
9 Bis(2-chloroethyl)ether	93	4.163	4.151	0.012	79	2207689	24.0	23.9	
10 Benzonitrile	103	4.193	4.175	0.018	97	3641204	24.0	23.7	
11 2-Chlorophenol	128	4.222	4.216	0.006	85	2102944	24.0	23.9	
12 n-Decane	43	4.263	4.257	0.006	87	3712813	24.0	24.0	
13 1,3-Dichlorobenzene	146	4.375	4.369	0.006	93	2469501	24.0	24.3	
* 14 1,4-Dichlorobenzene-d4	152	4.422	4.422	0.000	59	536186	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.440	4.434	0.006	91	2450262	24.0	23.9	
16 Benzyl alcohol	108	4.563	4.551	0.012	90	1078940	24.0	25.0	
17 1,2-Dichlorobenzene	146	4.593	4.593	0.000	92	2245513	24.0	23.9	
18 2-Methylphenol	108	4.669	4.663	0.006	84	1867289	24.0	23.9	
19 2,2'-oxybis[1-chloropropan	45	4.698	4.693	0.005	93	3917003	24.0	23.1	
22 N-Methylaniline	106	4.816	4.810	0.006	85	2733082	24.0	23.0	
24 4-Methylphenol	108	4.834	4.822	0.012	67	1905784	24.0	23.2	
23 3 & 4 Methylphenol	108	4.834	4.822	0.012	82	1929591	NC	NC	
21 Acetophenone	105	4.834	4.822	0.012	87	2556545	24.0	23.1	
25 N-Nitrosodi-n-propylamine	70	4.840	4.828	0.012	69	1320068	24.0	22.6	
26 Hexachloroethane	117	4.934	4.928	0.006	93	974396	24.0	24.7	
\$ 27 Nitrobenzene-d5	82	4.981	4.975	0.006	90	2406906	24.0	26.7	
28 Nitrobenzene	77	5.004	4.993	0.012	84	2914800	24.0	24.0	
29 n,n'-Dimethylaniline	120	5.004	4.998	0.006	83	2748650	24.0	23.0	
30 Isophorone	82	5.245	5.234	0.011	98	3292310	24.0	23.7	
32 2-Nitrophenol	139	5.316	5.310	0.006	79	862449	24.0	24.7	
33 2,4-Dimethylphenol	122	5.363	5.351	0.012	57	1414834	24.0	24.3	
34 Bis(2-chloroethoxy)methane	93	5.457	5.445	0.012	92	2126749	24.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.563	5.551	0.012	80	1410168	24.0	23.9	
37 1,2,4-Trichlorobenzene	180	5.645	5.640	0.005	86	1708101	24.0	24.0	
* 38 Naphthalene-d8	136	5.698	5.698	0.000	98	1625697	8.00	8.00	
39 Naphthalene	128	5.722	5.722	0.000	99	5248886	24.0	23.9	
40 4-Chloroaniline	127	5.775	5.769	0.006	93	1758248	24.0	24.2	
41 Hexachlorobutadiene	225	5.851	5.851	0.000	92	1160289	24.0	24.4	
42 Caprolactam	113	6.157	6.128	0.029	79	217849	24.0	22.8	M
43 4-Chloro-3-methylphenol	107	6.275	6.263	0.012	83	1280821	24.0	25.1	
44 2-Methylnaphthalene	142	6.416	6.416	0.000	81	3040590	24.0	24.2	
45 1-Methylnaphthalene	142	6.516	6.516	0.000	91	2778614	24.0	24.2	
46 Hexachlorocyclopentadiene	237	6.587	6.581	0.006	84	1101367	24.0	26.9	
47 1,2,4,5-Tetrachlorobenzene	216	6.592	6.587	0.005	97	1545666	24.0	24.6	
48 2-tertbutyl-4-methylphenol	149	6.622	6.616	0.006	78	1794846	NC	NC	
49 2,4,6-Trichlorophenol	196	6.704	6.698	0.006	87	949224	24.0	25.5	
50 2,4,5-Trichlorophenol	196	6.739	6.734	0.005	94	802253	24.0	26.3	
\$ 51 2-Fluorobiphenyl	172	6.787	6.781	0.006	98	3773588	24.0	27.9	
52 1,1'-Biphenyl	154	6.887	6.881	0.006	88	3548094	24.0	25.1	
53 2-Chloronaphthalene	162	6.904	6.898	0.006	95	2626255	24.0	24.4	
54 Phenyl ether	170	6.987	6.987	0.001	59	1845689	24.0	24.7	
55 2-Nitroaniline	65	7.010	6.998	0.012	88	995393	24.0	25.1	
57 1,3-Dimethylnaphthalene	156	7.122	7.116	0.006	89	2059211	24.0	24.6	
58 Dimethyl phthalate	163	7.192	7.186	0.006	97	2354308	24.0	24.6	
60 Coumarin	146	7.216	7.204	0.012	70	687295	24.0	23.3	
61 2,6-Dinitrotoluene	165	7.251	7.239	0.012	54	517036	24.0	25.3	
62 Acenaphthylene	152	7.322	7.316	0.006	95	4100285	24.0	25.1	
63 3-Nitroaniline	138	7.422	7.410	0.012	90	391676	24.0	21.5	
* 64 Acenaphthene-d10	164	7.457	7.451	0.006	92	659637	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.481	7.475	0.006	98	2294796	NC	NC	
66 Acenaphthene	154	7.492	7.486	0.006	95	2387137	24.0	23.3	
67 2,4-Dinitrophenol	184	7.516	7.510	0.006	78	608616	48.0	47.9	
68 4-Nitrophenol	65	7.586	7.575	0.011	92	741674	48.0	54.1	
69 2,4-Dinitrotoluene	165	7.645	7.639	0.006	84	600298	24.0	24.9	
70 Dibenzofuran	168	7.663	7.657	0.006	93	3530806	24.0	24.7	
72 2,3,4,6-Tetrachlorophenol	232	7.781	7.781	0.000	93	656488	24.0	26.0	
73 Diethyl phthalate	149	7.892	7.881	0.011	92	2193424	24.0	23.9	
75 4-Chlorophenyl phenyl ethe	204	7.998	7.992	0.006	65	1283541	24.0	24.4	
74 Fluorene	166	7.998	7.992	0.006	82	2550134	24.0	24.5	
76 4-Nitroaniline	138	8.028	8.016	0.012	46	219313	24.0	17.1	
77 4,6-Dinitro-2-methylphenol	198	8.051	8.045	0.006	77	649580	48.0	57.7	
78 N-Nitrosodiphenylamine	169	8.116	8.110	0.006	53	1473831	24.0	24.6	
79 1,2-Diphenylhydrazine	77	8.151	8.145	0.006	97	2732620	24.0	25.7	
\$ 80 2,4,6-Tribromophenol	330	8.239	8.233	0.006	91	451660	24.0	27.7	
81 4-Bromophenyl phenyl ether	248	8.475	8.475	0.000	87	736370	24.0	25.5	
82 Hexachlorobenzene	284	8.551	8.545	0.006	89	830118	24.0	25.2	
83 Atrazine	200	8.639	8.633	0.006	86	442003	24.0	24.2	
84 Pentachlorophenol	266	8.739	8.733	0.006	91	779214	48.0	57.8	
85 Pentachloronitrobenzene	237	8.757	8.751	0.006	91	268190	NC	NC	
86 n-Octadecane	57	8.816	8.810	0.006	87	2706822	24.0	27.3	
* 87 Phenanthrene-d10	188	8.922	8.916	0.006	98	867302	8.00	8.00	
88 Phenanthrene	178	8.945	8.939	0.006	98	2893424	24.0	23.9	
89 Anthracene	178	8.998	8.992	0.006	98	2911188	24.0	24.3	
90 Carbazole	167	9.151	9.145	0.006	82	1494782	24.0	17.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Di-n-butyl phthalate	149	9.486	9.486	0.000	100	2553933	24.0	23.9	
93 Fluoranthene	202	10.116	10.110	0.006	99	2298199	24.0	23.5	
94 Benzidine	184	10.245	10.239	0.006	98	186822	24.0	17.6	
95 Pyrene	202	10.345	10.339	0.006	98	2278230	24.0	21.5	
\$ 96 Terphenyl-d14	244	10.498	10.498	0.000	98	1729618	24.0	25.0	
97 Butyl benzyl phthalate	149	11.033	11.033	0.000	97	757657	24.0	25.2	
99 Carbamazepine	193	11.169	11.163	0.006	86	398131	24.0	28.6	
100 3,3'-Dichlorobenzidine	252	11.674	11.669	0.005	95	349613	24.0	23.2	
101 Benzo[a]anthracene	228	11.704	11.704	0.000	98	1637310	24.0	24.9	
* 102 Chrysene-d12	240	11.722	11.716	0.006	95	484018	8.00	8.00	
104 Bis(2-ethylhexyl) phthalat	149	11.739	11.739	0.000	86	1079103	24.0	27.2	
103 Chrysene	228	11.757	11.751	0.006	97	1611982	24.0	25.0	
105 Di-n-octyl phthalate	149	12.610	12.610	0.000	94	1690308	24.0	25.7	
106 Benzo[b]fluoranthene	252	13.139	13.133	0.006	97	1401135	24.0	27.9	
107 Benzo[k]fluoranthene	252	13.180	13.168	0.012	99	1576338	24.0	25.1	
108 Benzo[a]pyrene	252	13.592	13.586	0.006	98	1393209	24.0	27.8	
* 109 Perylene-d12	264	13.663	13.663	0.000	98	409129	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	15.133	15.127	0.006	98	1534632	24.0	33.2	M
111 Dibenz(a,h)anthracene	278	15.162	15.157	0.005	95	1506224	24.0	32.9	M
112 Benzo[g,h,i]perylene	276	15.504	15.492	0.012	92	1643962	24.0	28.3	
S 119 Total Cresols	1				0			23.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL8_00002

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1099.D

Injection Date: 07-Oct-2014 20:02:30

Instrument ID: CBNAMS14

Operator ID: BL

Lims ID: STD24

Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul

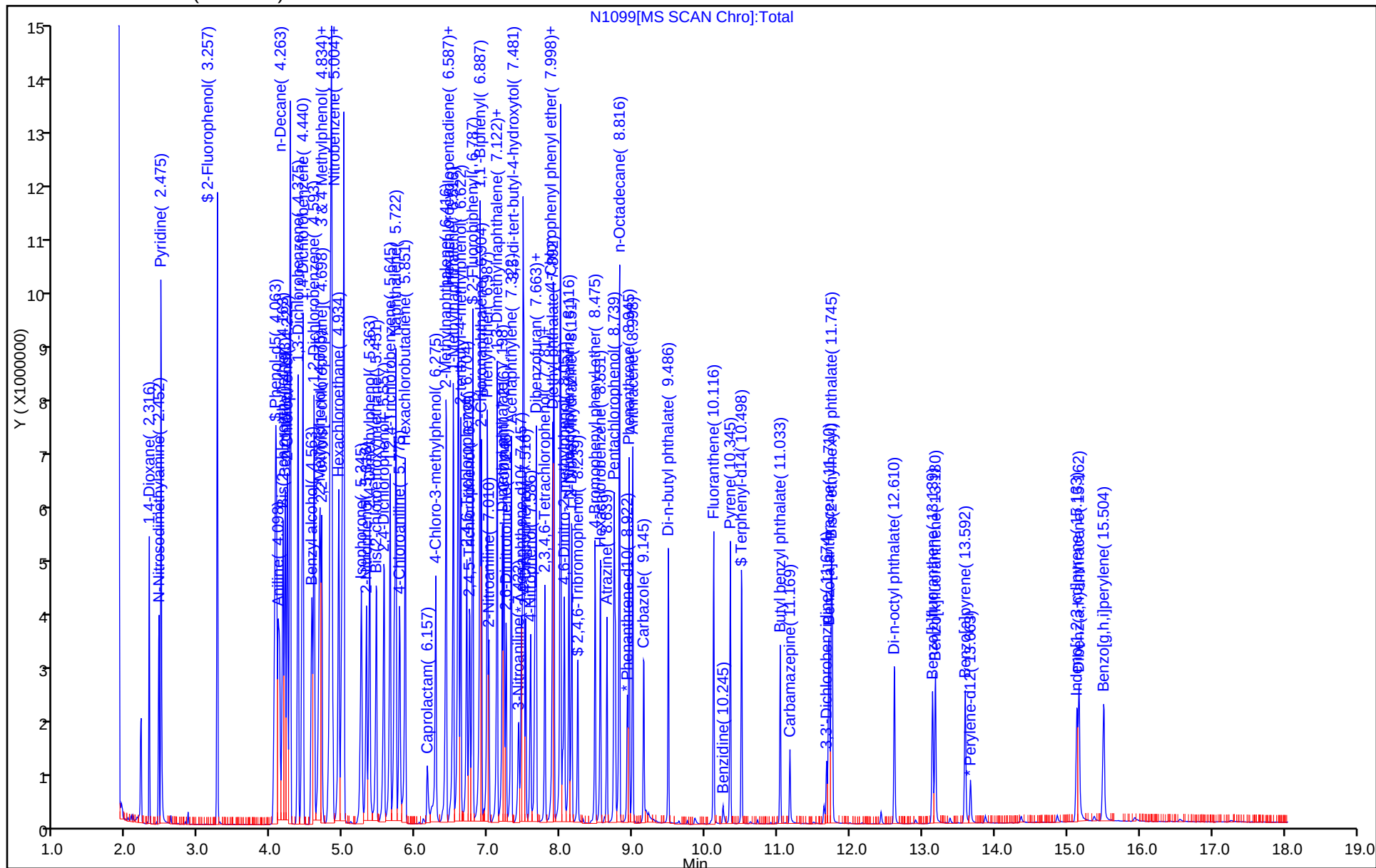
Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8270LVI_14

Limit Group: SV 625 ICAL

Column: Rtxi-5Sil MS (0.25 mm)



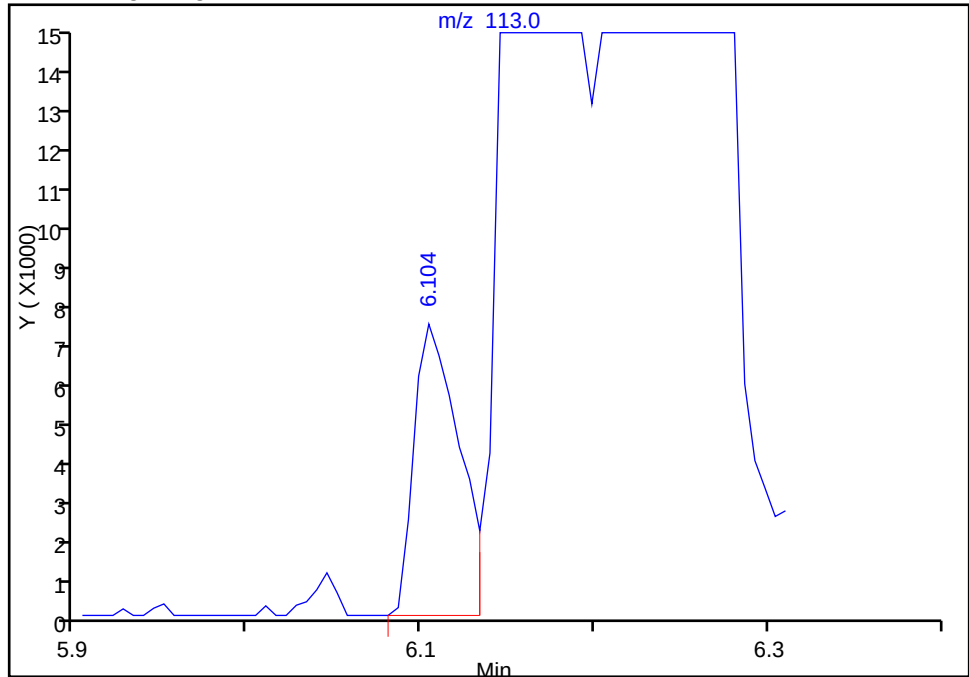
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1099.D		
Injection Date:	07-Oct-2014 20:02:30	Instrument ID:	CBNAMS14
Lims ID:	STD24		
Client ID:			
Operator ID:	BL	ALS Bottle#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	3

42 Caprolactam, CAS: 105-60-2

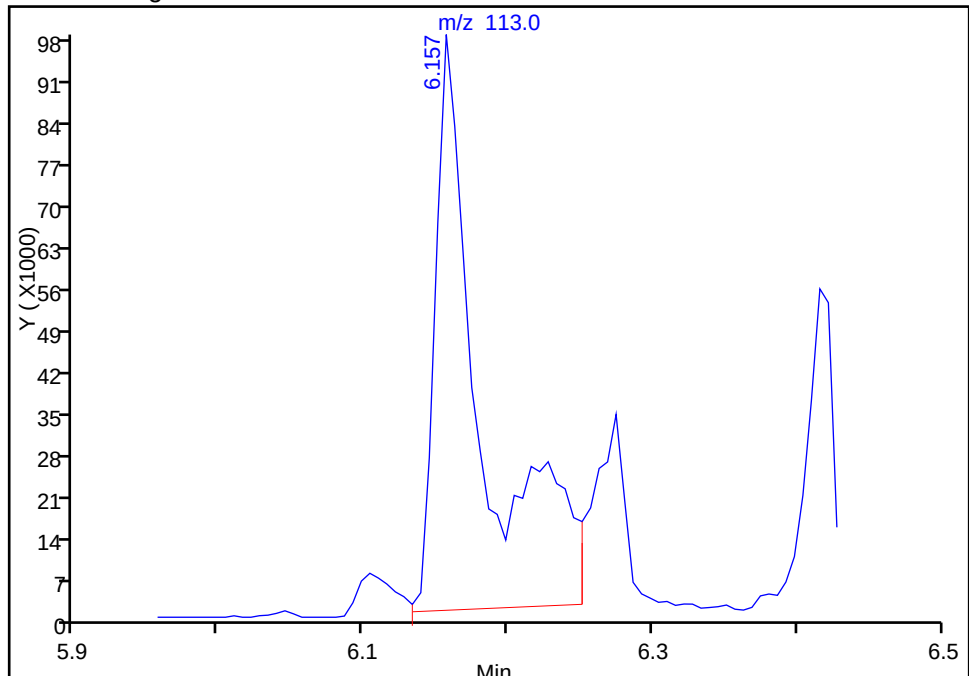
RT: 6.10
Response: 13474
Amount: 4.047967

Processing Integration Results



RT: 6.16
Response: 217849
Amount: 22.823211

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 22:47:14
Audit Action: Manually Integrated
Audit Reason: Baseline

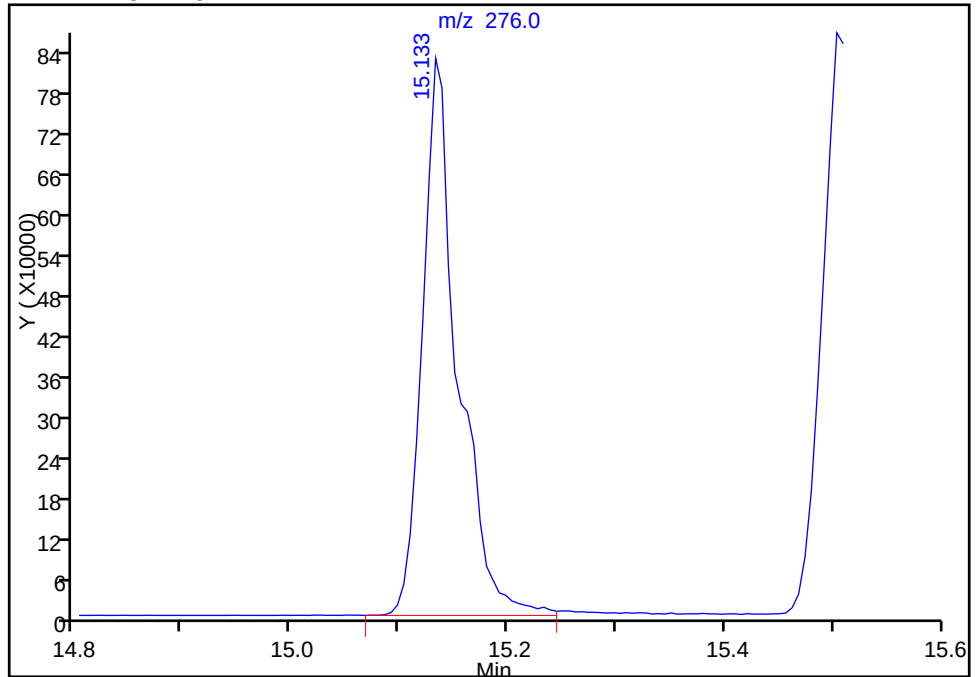
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1099.D
Injection Date: 07-Oct-2014 20:02:30 Instrument ID: CBNAMS14
Lims ID: STD24
Client ID:
Operator ID: BL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

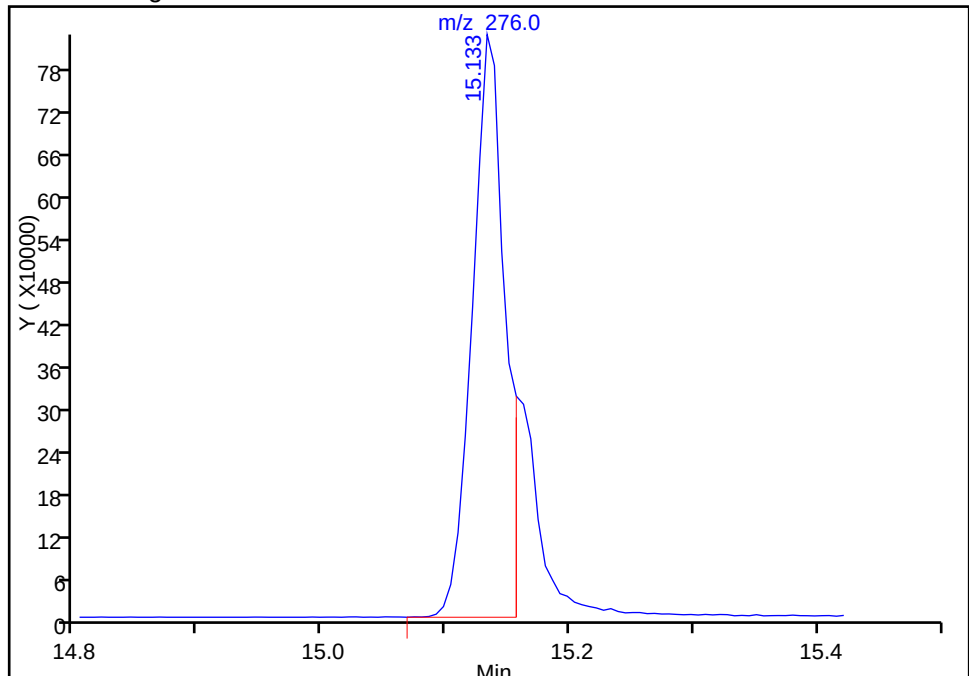
Processing Integration Results

RT: 15.13
Response: 1883537
Amount: 23.806617



Manual Integration Results

RT: 15.13
Response: 1534632
Amount: 33.220969



Reviewer: bayoumiw, 07-Oct-2014 22:37:10
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

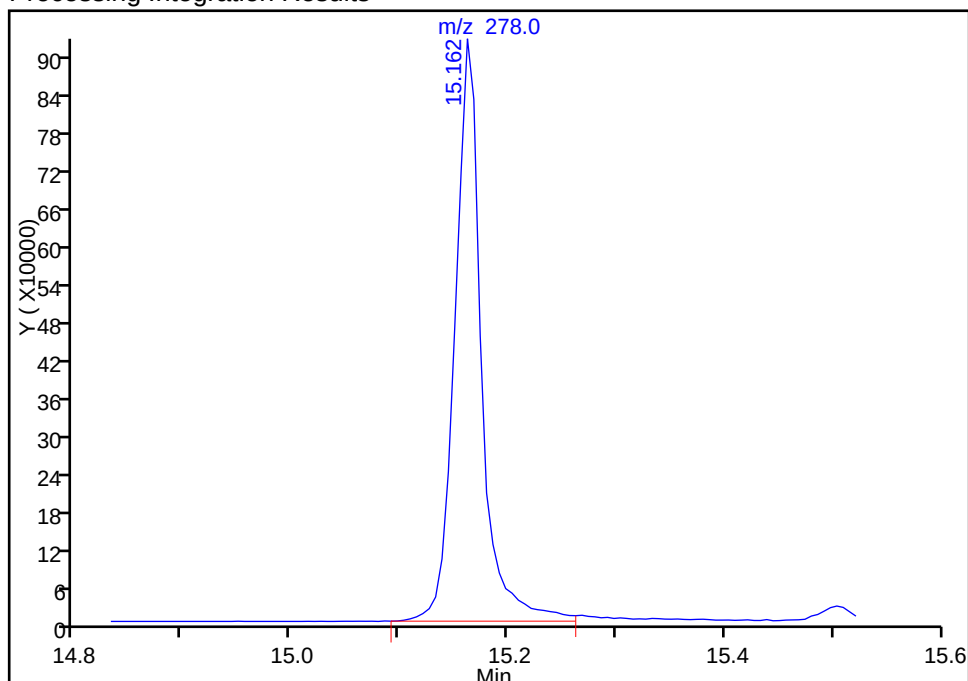
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1099.D
Injection Date: 07-Oct-2014 20:02:30 Instrument ID: CBNAMS14
Lims ID: STD24
Client ID:
Operator ID: BL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

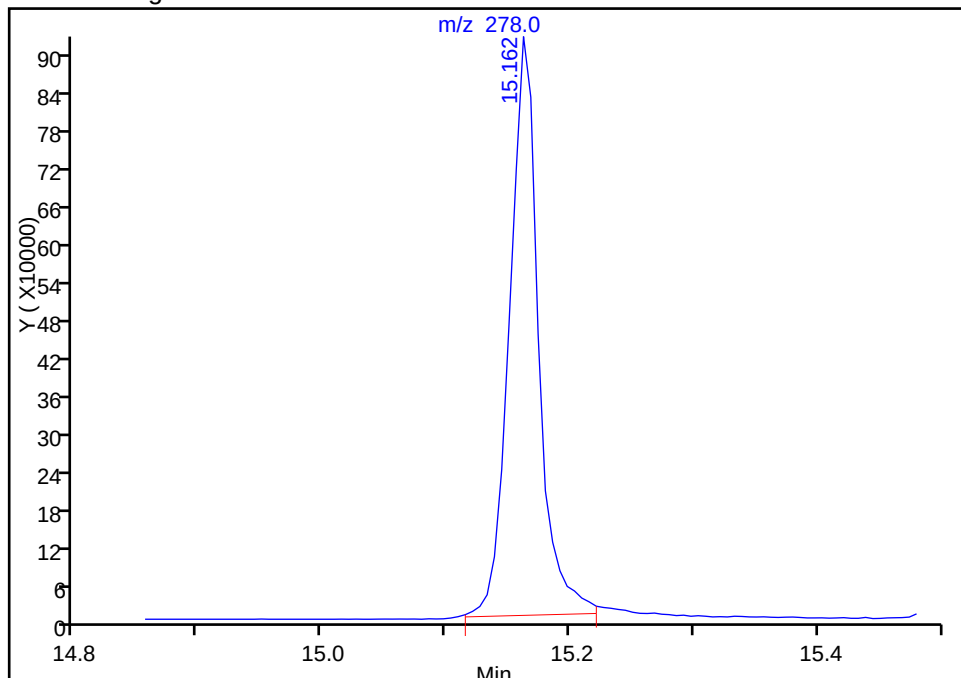
RT: 15.16
Response: 1581113
Amount: 23.098364

Processing Integration Results



RT: 15.16
Response: 1506224
Amount: 32.900615

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:50:14
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1100.D
 Lims ID: STD16
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 07-Oct-2014 20:28:30 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0019042-004
 Operator ID: BL Instrument ID: CBNAMS14
 Sublist: chrom-8270LVI_14*sub1
 Method: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\8270LVI_14.m
 Limit Group: SV 625 ICAL
 Last Update: 08-Oct-2014 11:44:02 Calib Date: 08-Oct-2014 01:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1111.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: bayoumiw

Date: 07-Oct-2014 22:38:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.316	2.316	0.000	92	812409	16.0	16.5	
2 N-Nitrosodimethylamine	74	2.446	2.446	0.000	88	1029753	16.0	16.2	
3 Pyridine	79	2.475	2.475	0.000	80	1884200	16.0	16.6	
\$ 4 2-Fluorophenol	112	3.252	3.251	0.001	89	1653132	16.0	16.7	
\$ 6 Phenol-d5	99	4.052	4.046	0.006	90	1833651	16.0	16.4	
7 Phenol	94	4.063	4.057	0.006	98	1854922	16.0	16.1	
8 Aniline	93	4.099	4.093	0.006	99	2310338	16.0	16.6	
9 Bis(2-chloroethyl)ether	93	4.157	4.151	0.006	89	1514301	16.0	15.5	
10 Benzonitrile	103	4.187	4.175	0.012	97	2572632	16.0	15.9	
11 2-Chlorophenol	128	4.216	4.216	0.000	90	1511638	16.0	16.3	
12 n-Decane	43	4.263	4.257	0.006	88	2675335	16.0	16.3	
13 1,3-Dichlorobenzene	146	4.369	4.369	0.000	93	1747578	16.0	16.3	
* 14 1,4-Dichlorobenzene-d4	152	4.422	4.422	0.000	97	566659	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.440	4.434	0.006	92	1762157	16.0	16.3	
16 Benzyl alcohol	108	4.557	4.551	0.006	91	663968	16.0	14.6	
17 1,2-Dichlorobenzene	146	4.593	4.593	0.000	93	1610317	16.0	16.2	
18 2-Methylphenol	108	4.663	4.663	0.000	89	1336082	16.0	16.2	
19 2,2'-oxybis[1-chloropropan	45	4.693	4.693	0.000	94	2853892	16.0	15.9	
22 N-Methylaniline	106	4.816	4.810	0.006	87	1962398	16.0	15.6	
24 4-Methylphenol	108	4.828	4.822	0.006	75	1346189	16.0	15.5	
23 3 & 4 Methylphenol	108	4.828	4.822	0.006	88	1367192	NC	NC	
21 Acetophenone	105	4.828	4.822	0.006	87	1817515	16.0	15.5	
25 N-Nitrosodi-n-propylamine	70	4.834	4.828	0.006	91	937858	16.0	15.2	
26 Hexachloroethane	117	4.934	4.928	0.006	93	692624	16.0	16.6	
\$ 27 Nitrobenzene-d5	82	4.975	4.975	0.000	90	1539900	16.0	16.6	
28 Nitrobenzene	77	4.999	4.993	0.007	89	2096983	16.0	16.8	
29 n,n'-Dimethylaniline	120	4.999	4.998	0.001	93	1998333	16.0	15.8	
30 Isophorone	82	5.240	5.234	0.006	99	2318187	16.0	16.2	
32 2-Nitrophenol	139	5.316	5.310	0.006	84	612151	16.0	17.1	
33 2,4-Dimethylphenol	122	5.357	5.351	0.006	88	975377	16.0	16.3	
34 Bis(2-chloroethoxy)methane	93	5.451	5.445	0.006	95	1509525	16.0	16.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.557	5.551	0.006	95	1008152	16.0	16.6	
37 1,2,4-Trichlorobenzene	180	5.646	5.640	0.006	94	1217155	16.0	16.6	
* 38 Naphthalene-d8	136	5.699	5.698	0.001	99	1671589	8.00	8.00	
39 Naphthalene	128	5.722	5.722	0.000	99	3727007	16.0	16.5	
40 4-Chloroaniline	127	5.775	5.769	0.006	93	1234768	16.0	16.5	
41 Hexachlorobutadiene	225	5.851	5.851	0.000	97	838627	16.0	17.1	
42 Caprolactam	113	6.140	6.128	0.012	86	156639	16.0	16.0	M
43 4-Chloro-3-methylphenol	107	6.269	6.263	0.006	95	866511	16.0	16.5	
44 2-Methylnaphthalene	142	6.416	6.416	0.000	84	2102633	16.0	16.3	
45 1-Methylnaphthalene	142	6.516	6.516	0.000	92	1932034	16.0	16.4	
46 Hexachlorocyclopentadiene	237	6.581	6.581	0.000	96	789550	16.0	18.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.587	6.587	0.000	98	1096394	16.0	16.8	
48 2-tertbutyl-4-methylphenol	149	6.616	6.616	0.000	89	1252509	NC	NC	
49 2,4,6-Trichlorophenol	196	6.698	6.698	0.000	89	642021	16.0	16.6	
50 2,4,5-Trichlorophenol	196	6.740	6.734	0.006	96	518321	16.0	16.3	
\$ 51 2-Fluorobiphenyl	172	6.781	6.781	0.000	98	2379044	16.0	16.9	
52 1,1'-Biphenyl	154	6.881	6.881	0.000	94	2470445	16.0	16.8	
53 2-Chloronaphthalene	162	6.904	6.898	0.006	96	1856851	16.0	16.6	
54 Phenyl ether	170	6.987	6.987	0.001	85	1276546	16.0	16.5	
55 2-Nitroaniline	65	7.004	6.998	0.006	93	696791	16.0	16.9	
57 1,3-Dimethylnaphthalene	156	7.122	7.116	0.006	92	1430554	16.0	16.5	
58 Dimethyl phthalate	163	7.187	7.186	0.001	98	1661517	16.0	16.7	
60 Coumarin	146	7.210	7.204	0.006	73	484137	16.0	16.0	
61 2,6-Dinitrotoluene	165	7.245	7.239	0.006	93	361653	16.0	17.0	
62 Acenaphthylene	152	7.316	7.316	0.000	98	2837065	16.0	16.7	
63 3-Nitroaniline	138	7.410	7.410	0.000	91	302069	16.0	15.9	
* 64 Acenaphthene-d10	164	7.457	7.451	0.006	94	685269	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.475	7.475	0.000	98	1630229	NC	NC	
66 Acenaphthene	154	7.487	7.486	0.001	95	1708243	16.0	16.0	
67 2,4-Dinitrophenol	184	7.510	7.510	0.000	93	414031	32.0	32.3	
68 4-Nitrophenol	65	7.575	7.575	0.000	97	497733	32.0	34.9	
69 2,4-Dinitrotoluene	165	7.640	7.639	0.001	92	440848	16.0	17.6	
70 Dibenzofuran	168	7.657	7.657	0.000	96	2464859	16.0	16.6	
72 2,3,4,6-Tetrachlorophenol	232	7.781	7.781	0.000	96	448225	16.0	17.1	
73 Diethyl phthalate	149	7.887	7.881	0.006	98	1566923	16.0	16.4	
75 4-Chlorophenyl phenyl ethe	204	7.992	7.992	0.000	87	904001	16.0	16.6	
74 Fluorene	166	7.998	7.992	0.006	97	1797720	16.0	16.6	
76 4-Nitroaniline	138	8.022	8.016	0.006	92	193379	16.0	14.5	
77 4,6-Dinitro-2-methylphenol	198	8.045	8.045	0.000	80	449455	32.0	37.5	
78 N-Nitrosodiphenylamine	169	8.110	8.110	0.000	67	1032667	16.0	16.2	
79 1,2-Diphenylhydrazine	77	8.151	8.145	0.006	99	1898843	16.0	16.8	
\$ 80 2,4,6-Tribromophenol	330	8.234	8.233	0.001	94	282410	16.0	16.7	
81 4-Bromophenyl phenyl ether	248	8.475	8.475	0.000	91	523402	16.0	17.0	
82 Hexachlorobenzene	284	8.545	8.545	0.000	95	586751	16.0	16.7	
83 Atrazine	200	8.640	8.633	0.007	91	314841	16.0	16.2	
84 Pentachlorophenol	266	8.740	8.733	0.007	93	518825	32.0	36.1	
85 Pentachloronitrobenzene	237	8.751	8.751	0.000	90	187446	NC	NC	
86 n-Octadecane	57	8.810	8.810	0.000	87	1852378	16.0	17.5	
* 87 Phenanthrene-d10	188	8.922	8.916	0.006	98	924193	8.00	8.00	
88 Phenanthrene	178	8.945	8.939	0.006	97	2124580	16.0	16.4	
89 Anthracene	178	8.992	8.992	0.000	98	2089417	16.0	16.4	
90 Carbazole	167	9.145	9.145	0.000	96	1313876	16.0	14.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Di-n-butyl phthalate	149	9.487	9.486	0.000	100	1875959	16.0	16.5	
93 Fluoranthene	202	10.116	10.110	0.006	99	1683948	16.0	16.2	
94 Benzidine	184	10.245	10.239	0.006	99	127107	16.0	11.3	
95 Pyrene	202	10.345	10.339	0.006	98	1651728	16.0	15.5	
\$ 96 Terphenyl-d14	244	10.498	10.498	0.000	99	1097855	16.0	15.7	
97 Butyl benzyl phthalate	149	11.033	11.033	0.000	97	512772	16.0	16.9	
99 Carbamazepine	193	11.163	11.163	0.000	93	266175	16.0	19.0	
100 3,3'-Dichlorobenzidine	252	11.675	11.669	0.006	99	240565	16.0	15.8	
101 Benzo[a]anthracene	228	11.704	11.704	0.000	98	1108887	16.0	16.7	
* 102 Chrysene-d12	240	11.716	11.716	0.000	99	487719	8.00	8.00	
104 Bis(2-ethylhexyl) phthalat	149	11.739	11.739	0.000	90	703680	16.0	17.6	
103 Chrysene	228	11.751	11.751	0.000	99	1078568	16.0	16.6	
105 Di-n-octyl phthalate	149	12.610	12.610	0.000	97	1102898	16.0	17.7	
106 Benzo[b]fluoranthene	252	13.133	13.133	0.000	98	874985	16.0	18.4	
107 Benzo[k]fluoranthene	252	13.175	13.168	0.006	99	1066259	16.0	17.9	
108 Benzo[a]pyrene	252	13.586	13.586	0.000	98	888316	16.0	18.7	
* 109 Perylene-d12	264	13.663	13.663	0.000	98	386994	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	15.127	15.127	0.000	99	968992	16.0	22.2	M
111 Dibenz(a,h)anthracene	278	15.157	15.157	0.000	96	920526	16.0	21.3	M
112 Benzo[g,h,i]perylene	276	15.498	15.492	0.006	98	1000244	16.0	18.2	
S 119 Total Cresols	1				0			16.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL7_00002

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1100.D

Injection Date: 07-Oct-2014 20:28:30

Instrument ID: CBNAMS14

Operator ID: BL

Lims ID: STD16

Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul

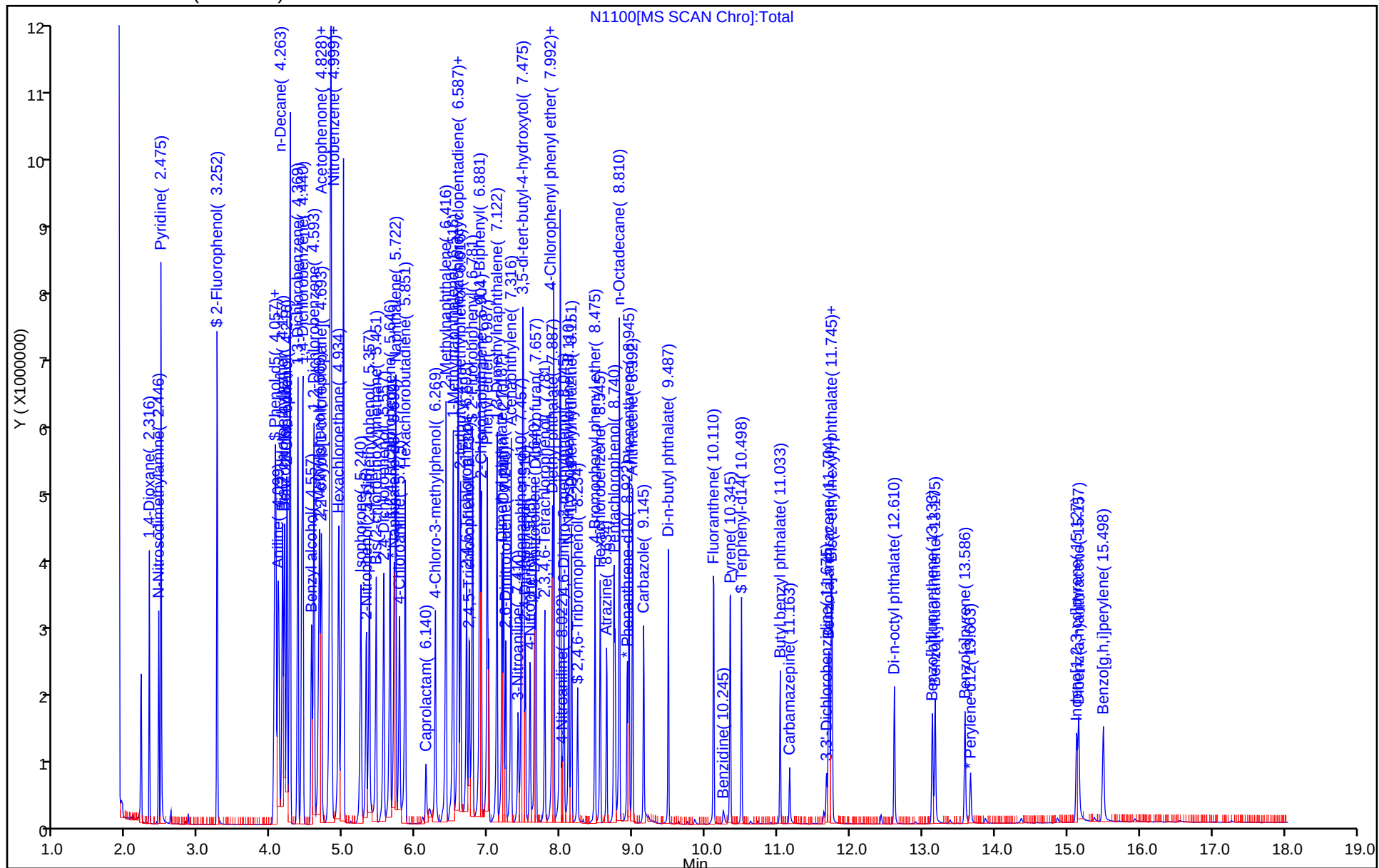
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8270LVI_14

Limit Group: SV 625 ICAL

Column: Rtxi-5Sil MS (0.25 mm)



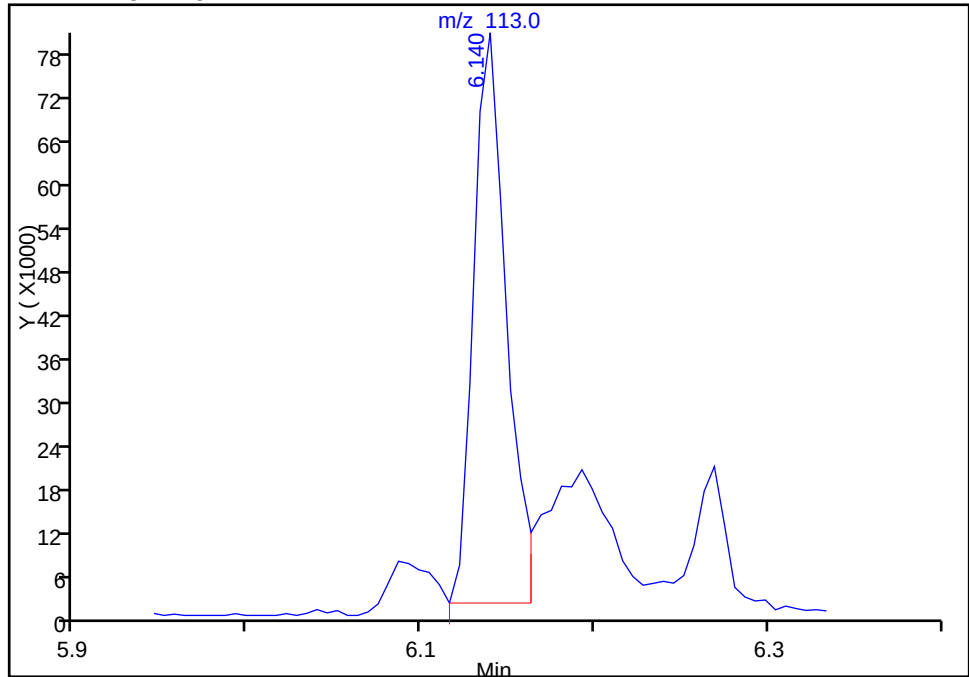
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1100.D
Injection Date: 07-Oct-2014 20:28:30 Instrument ID: CBNAMS14
Lims ID: STD16
Client ID:
Operator ID: BL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

42 Caprolactam, CAS: 105-60-2

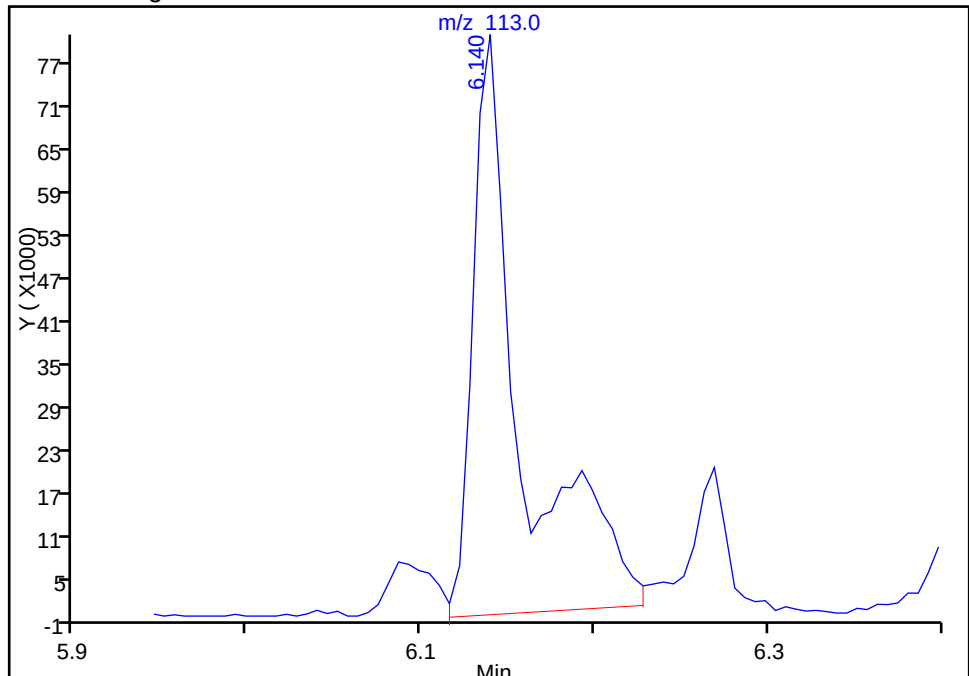
RT: 6.14
Response: 104444
Amount: 9.791997

Processing Integration Results



RT: 6.14
Response: 156639
Amount: 15.959937

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 22:38:19
Audit Action: Manually Integrated
Audit Reason: Baseline

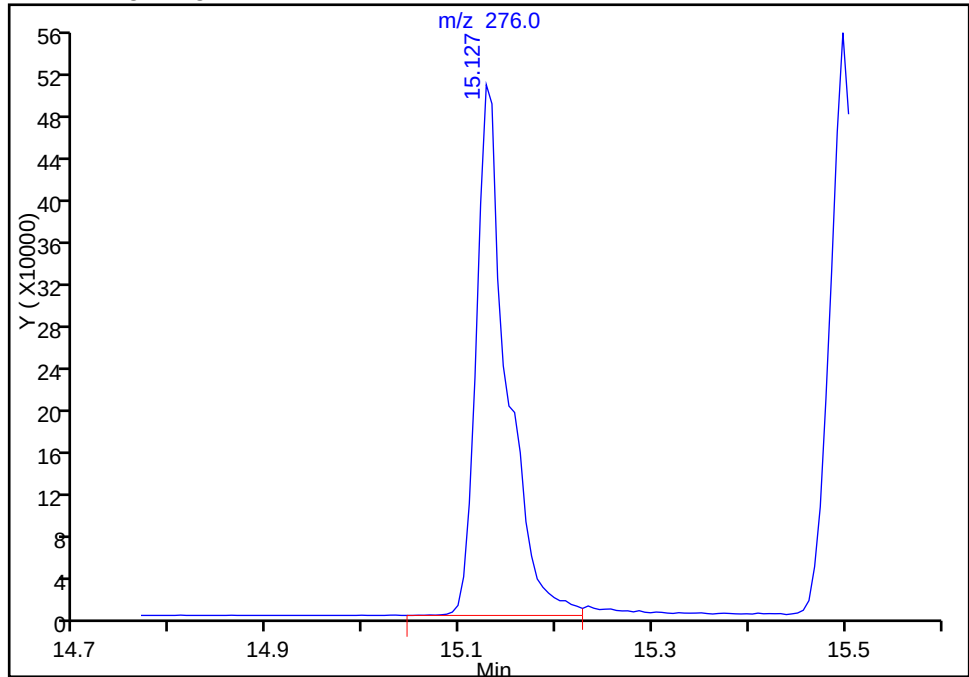
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1100.D
Injection Date: 07-Oct-2014 20:28:30 Instrument ID: CBNAMS14
Lims ID: STD16
Client ID:
Operator ID: BL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

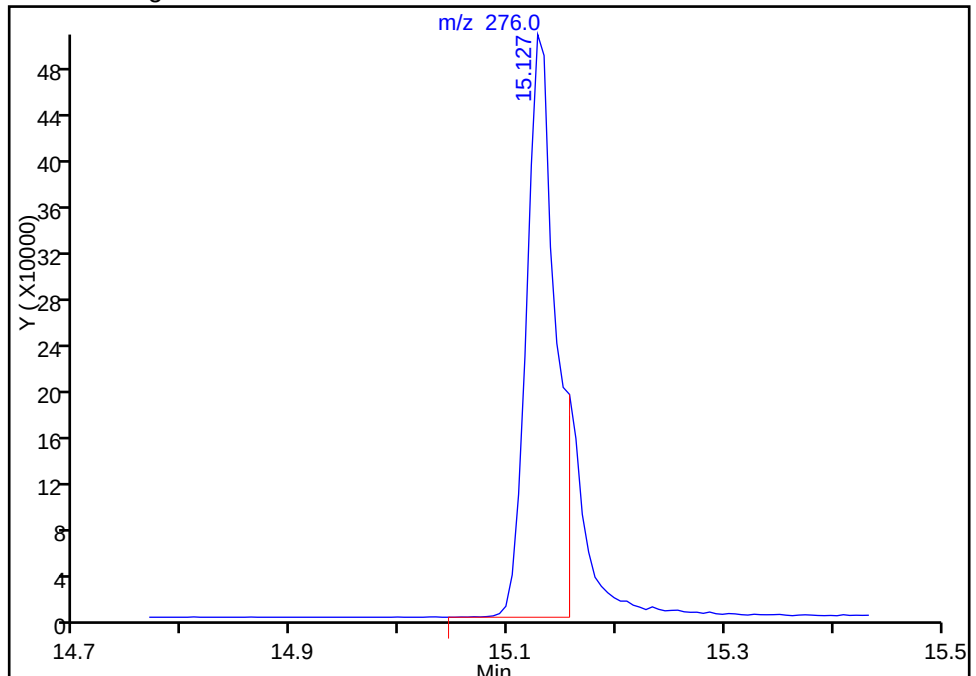
Processing Integration Results

RT: 15.13
Response: 1130779
Amount: 18.120603



Manual Integration Results

RT: 15.13
Response: 968992
Amount: 22.176054



Reviewer: bayoumiw, 07-Oct-2014 22:38:19
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

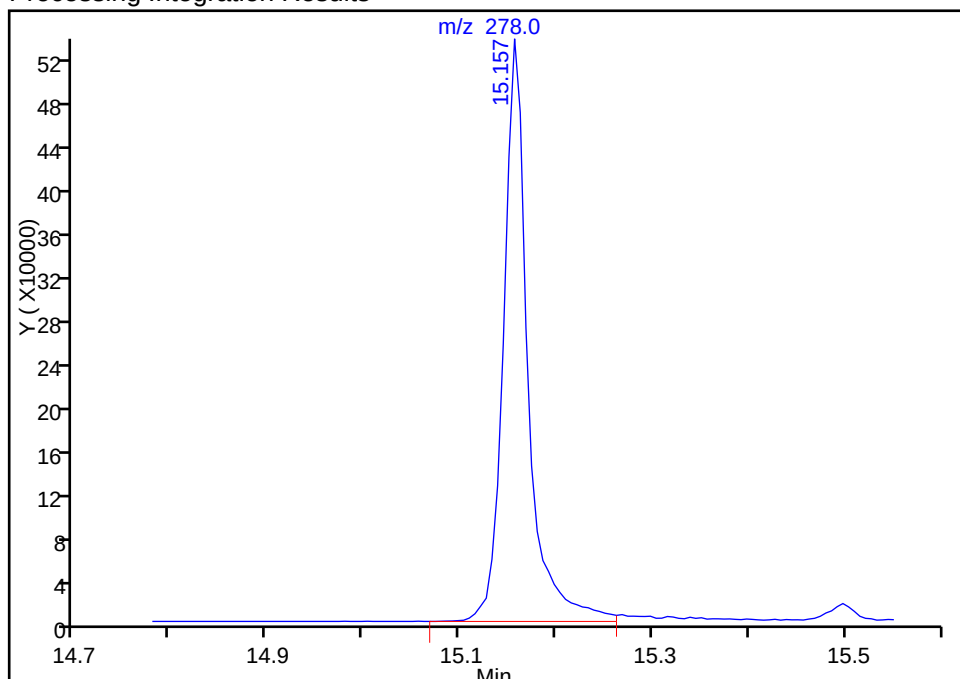
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1100.D
Injection Date: 07-Oct-2014 20:28:30 Instrument ID: CBNAMS14
Lims ID: STD16
Client ID:
Operator ID: BL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

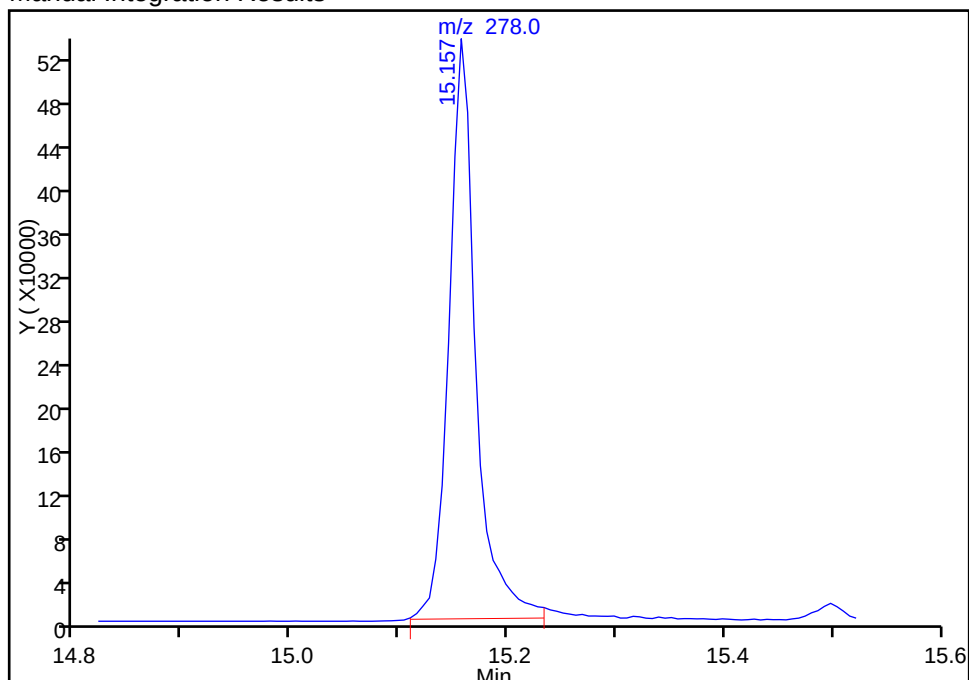
RT: 15.16
Response: 953811
Amount: 15.940607

Processing Integration Results



RT: 15.16
Response: 920526
Amount: 21.257224

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:50:28
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1101.D
 Lims ID: STD4
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 07-Oct-2014 20:54:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0019042-005
 Operator ID: BL Instrument ID: CBNAMS14
 Sublist: chrom-8270LVI_14*sub1
 Method: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\8270LVI_14.m
 Limit Group: SV 625 ICAL
 Last Update: 08-Oct-2014 11:44:05 Calib Date: 08-Oct-2014 01:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1111.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: bayoumiw

Date: 07-Oct-2014 22:39:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.316	2.316	0.000	91	223157	4.00	4.05	
2 N-Nitrosodimethylamine	74	2.446	2.446	0.000	88	289078	4.00	4.06	
3 Pyridine	79	2.481	2.475	0.006	81	525485	4.00	4.14	
\$ 4 2-Fluorophenol	112	3.252	3.251	0.001	90	424628	4.00	3.82	
\$ 6 Phenol-d5	99	4.034	4.046	-0.012	95	486603	4.00	3.89	
7 Phenol	94	4.046	4.057	-0.011	98	514941	4.00	4.00	
8 Aniline	93	4.087	4.093	-0.006	99	644094	4.00	4.12	
9 Bis(2-chloroethyl)ether	93	4.140	4.151	-0.011	90	433666	4.00	3.95	
10 Benzonitrile	103	4.163	4.175	-0.012	97	789756	4.00	4.34	
11 2-Chlorophenol	128	4.210	4.216	-0.006	90	427444	4.00	4.10	
12 n-Decane	43	4.257	4.257	0.000	88	759093	4.00	4.14	
13 1,3-Dichlorobenzene	146	4.363	4.369	-0.006	93	495728	4.00	4.11	
* 14 1,4-Dichlorobenzene-d4	152	4.416	4.422	-0.006	98	635342	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.434	4.434	0.000	92	489829	4.00	4.04	
16 Benzyl alcohol	108	4.546	4.551	-0.005	91	199046	4.00	3.89	
17 1,2-Dichlorobenzene	146	4.587	4.593	-0.006	93	449951	4.00	4.04	
18 2-Methylphenol	108	4.657	4.663	-0.006	89	380240	4.00	4.10	
19 2,2'-oxybis[1-chloropropan	45	4.687	4.693	-0.006	94	825280	4.00	4.10	
22 N-Methylaniline	106	4.804	4.810	-0.006	93	600932	4.00	4.26	
24 4-Methylphenol	108	4.810	4.822	-0.012	82	401583	4.00	4.13	
23 3 & 4 Methylphenol	108	4.810	4.822	-0.012	92	405543	NC	NC	
21 Acetophenone	105	4.816	4.822	-0.006	86	554556	4.00	4.22	
25 N-Nitrosodi-n-propylamine	70	4.816	4.828	-0.012	91	279281	4.00	4.04	
26 Hexachloroethane	117	4.928	4.928	0.000	93	189552	4.00	4.05	
\$ 27 Nitrobenzene-d5	82	4.969	4.975	-0.006	91	433153	4.00	3.89	
28 Nitrobenzene	77	4.987	4.993	-0.005	89	623774	4.00	4.16	
29 n,n'-Dimethylaniline	120	4.993	4.998	-0.005	93	599229	4.00	4.22	
30 Isophorone	82	5.228	5.234	-0.006	99	690144	4.00	4.02	
32 2-Nitrophenol	139	5.310	5.310	0.000	83	169586	4.00	3.94	
33 2,4-Dimethylphenol	122	5.351	5.351	0.000	89	302074	4.00	4.21	
34 Bis(2-chloroethoxy)methane	93	5.446	5.445	0.001	95	435858	4.00	4.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.551	5.551	0.000	95	294949	4.00	4.05	
37 1,2,4-Trichlorobenzene	180	5.640	5.640	0.000	94	348310	4.00	3.97	
* 38 Naphthalene-d8	136	5.698	5.698	0.000	100	2006356	8.00	8.00	
39 Naphthalene	128	5.716	5.722	-0.006	98	1083301	4.00	4.00	
40 4-Chloroaniline	127	5.769	5.769	0.000	93	356446	4.00	3.97	
41 Hexachlorobutadiene	225	5.851	5.851	0.000	96	240604	4.00	4.10	
42 Caprolactam	113	6.104	6.128	-0.024	84	58815	4.00	4.99	M
43 4-Chloro-3-methylphenol	107	6.257	6.263	-0.006	95	252981	4.00	4.02	
44 2-Methylnaphthalene	142	6.410	6.416	-0.006	83	622834	4.00	4.01	
45 1-Methylnaphthalene	142	6.510	6.516	-0.006	92	573712	4.00	4.05	
46 Hexachlorocyclopentadiene	237	6.581	6.581	0.000	97	199513	4.00	3.81	
47 1,2,4,5-Tetrachlorobenzene	216	6.581	6.587	-0.006	97	323852	4.00	4.03	
48 2-tertbutyl-4-methylphenol	149	6.610	6.616	-0.006	89	382795	NC	NC	
49 2,4,6-Trichlorophenol	196	6.692	6.698	-0.006	88	189480	4.00	3.98	
50 2,4,5-Trichlorophenol	196	6.728	6.734	-0.006	96	161307	4.00	4.14	
\$ 51 2-Fluorobiphenyl	172	6.781	6.781	0.000	97	651211	4.00	3.76	
52 1,1'-Biphenyl	154	6.875	6.881	-0.006	94	733086	4.00	4.05	
53 2-Chloronaphthalene	162	6.898	6.898	0.000	96	552251	4.00	4.02	
54 Phenyl ether	170	6.981	6.987	-0.005	89	394756	4.00	4.14	
55 2-Nitroaniline	65	6.992	6.998	-0.006	94	204256	4.00	4.03	
57 1,3-Dimethylnaphthalene	156	7.116	7.116	0.000	92	457915	4.00	4.29	
58 Dimethyl phthalate	163	7.181	7.186	-0.005	99	503713	4.00	4.12	
60 Coumarin	146	7.198	7.204	-0.006	73	156559	4.00	4.30	
61 2,6-Dinitrotoluene	165	7.234	7.239	-0.005	93	110815	4.00	4.24	
62 Acenaphthylene	152	7.310	7.316	-0.006	98	854090	4.00	4.09	
63 3-Nitroaniline	138	7.404	7.410	-0.006	90	97276	4.00	4.17	
* 64 Acenaphthene-d10	164	7.451	7.451	0.000	93	842930	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.469	7.475	-0.006	99	481874	NC	NC	
66 Acenaphthene	154	7.481	7.486	-0.005	95	555049	4.00	4.24	
67 2,4-Dinitrophenol	184	7.504	7.510	-0.006	93	92355	8.00	7.45	
68 4-Nitrophenol	65	7.563	7.575	-0.012	97	146424	8.00	8.35	
69 2,4-Dinitrotoluene	165	7.634	7.639	-0.005	92	135838	4.00	4.41	
70 Dibenzofuran	168	7.651	7.657	-0.006	96	738720	4.00	4.04	
72 2,3,4,6-Tetrachlorophenol	232	7.775	7.781	-0.006	95	129883	4.00	4.02	
73 Diethyl phthalate	149	7.875	7.881	-0.006	98	485205	4.00	4.13	
75 4-Chlorophenyl phenyl ethe	204	7.987	7.992	-0.005	87	278665	4.00	4.15	
74 Fluorene	166	7.992	7.992	0.000	96	537215	4.00	4.04	
76 4-Nitroaniline	138	8.004	8.016	-0.012	95	74032	4.00	4.51	
77 4,6-Dinitro-2-methylphenol	198	8.034	8.045	-0.011	80	127265	8.00	8.36	
78 N-Nitrosodiphenylamine	169	8.104	8.110	-0.006	68	352377	4.00	4.35	
79 1,2-Diphenylhydrazine	77	8.145	8.145	0.000	99	572016	4.00	3.99	
\$ 80 2,4,6-Tribromophenol	330	8.228	8.233	-0.005	94	79505	4.00	3.81	
81 4-Bromophenyl phenyl ether	248	8.469	8.475	-0.006	91	156702	4.00	4.02	
82 Hexachlorobenzene	284	8.539	8.545	-0.006	95	180343	4.00	4.05	
83 Atrazine	200	8.628	8.633	-0.005	90	112670	4.00	4.57	
84 Pentachlorophenol	266	8.734	8.733	0.001	94	144156	8.00	7.90	
85 Pentachloronitrobenzene	237	8.745	8.751	-0.006	91	58774	NC	NC	
86 n-Octadecane	57	8.810	8.810	0.000	87	536514	4.00	4.00	
* 87 Phenanthrene-d10	188	8.916	8.916	0.000	99	1172939	8.00	8.00	
88 Phenanthrene	178	8.939	8.939	0.000	98	668412	4.00	4.08	
89 Anthracene	178	8.986	8.992	-0.006	98	659633	4.00	4.08	
90 Carbazole	167	9.145	9.145	0.000	95	509057	4.00	4.48	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Di-n-butyl phthalate	149	9.486	9.486	0.000	100	599992	4.00	4.15	
93 Fluoranthene	202	10.110	10.110	0.000	99	563443	4.00	4.26	
94 Benzidine	184	10.239	10.239	0.000	99	76856	4.00	5.36	
95 Pyrene	202	10.339	10.339	0.000	98	549250	4.00	4.41	
\$ 96 Terphenyl-d14	244	10.498	10.498	0.000	99	336976	4.00	4.14	
97 Butyl benzyl phthalate	149	11.027	11.033	-0.006	97	146945	4.00	4.15	
99 Carbamazepine	193	11.157	11.163	-0.006	94	70004	4.00	4.27	
100 3,3'-Dichlorobenzidine	252	11.669	11.669	0.000	99	79619	4.00	4.48	
101 Benzo[a]anthracene	228	11.698	11.704	-0.006	98	313189	4.00	4.04	
* 102 Chrysene-d12	240	11.710	11.716	-0.006	99	569416	8.00	8.00	
104 Bis(2-ethylhexyl) phthalat	149	11.739	11.739	0.000	90	183991	4.00	3.95	
103 Chrysene	228	11.745	11.751	-0.006	99	300191	4.00	3.96	
105 Di-n-octyl phthalate	149	12.604	12.610	-0.006	97	246812	4.00	3.98	
106 Benzo[b]fluoranthene	252	13.127	13.133	-0.006	98	197967	4.00	4.19	
107 Benzo[k]fluoranthene	252	13.163	13.168	-0.005	99	249647	4.00	4.21	
108 Benzo[a]pyrene	252	13.580	13.586	-0.006	97	195771	4.00	4.14	
* 109 Perylene-d12	264	13.657	13.663	-0.006	99	385414	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	15.115	15.127	-0.012	99	179730	4.00	4.13	M
111 Dibenz(a,h)anthracene	278	15.151	15.157	-0.006	96	172966	4.00	4.01	M
112 Benzo[g,h,i]perylene	276	15.480	15.492	-0.012	98	198715	4.00	3.63	
S 119 Total Cresols	1				0			4.10	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL5_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1101.D

Injection Date: 07-Oct-2014 20:54:30

Instrument ID: CBNAMS14

Operator ID: BL

Lims ID: STD4

Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul

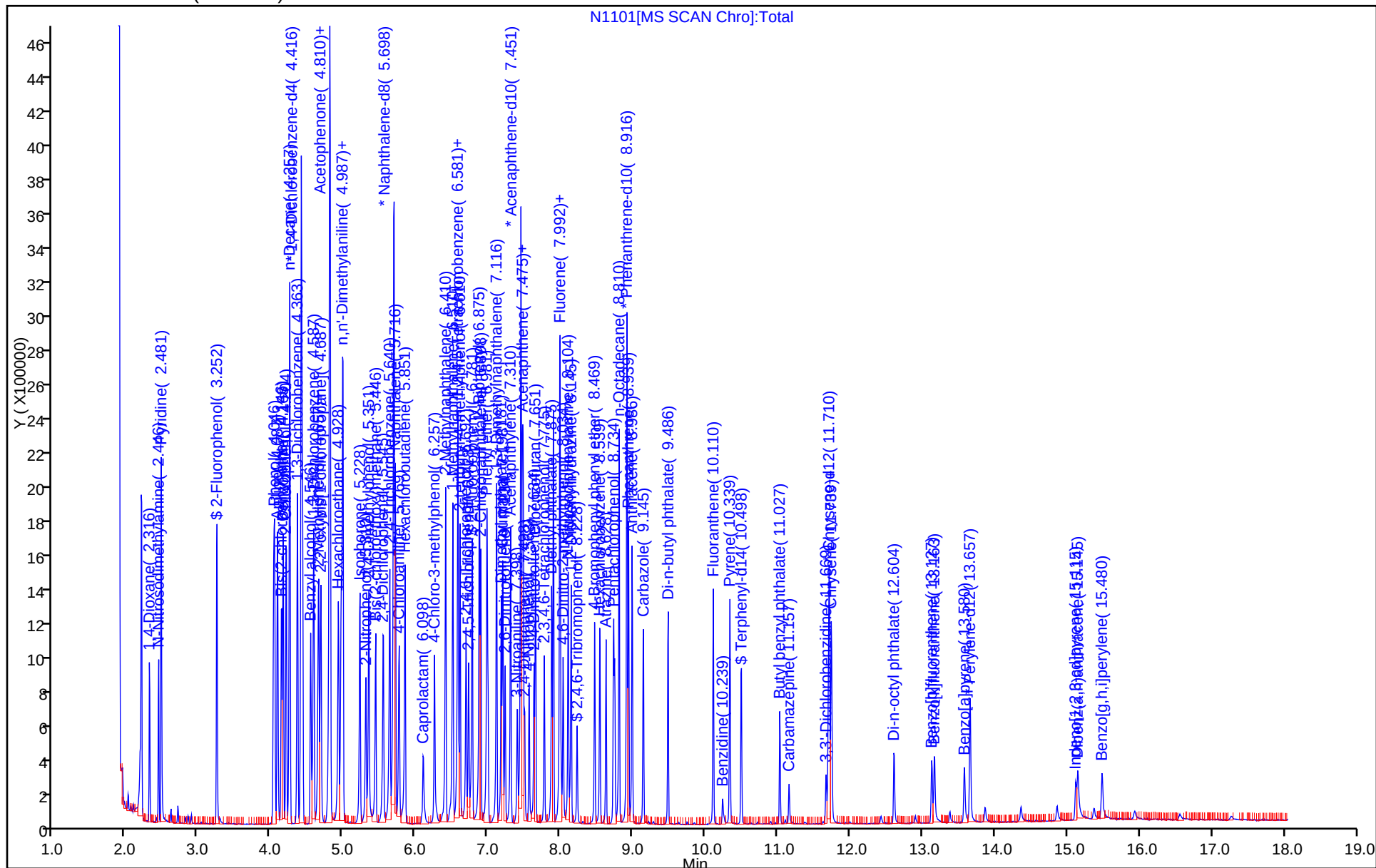
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8270LVI_14

Limit Group: SV 625 ICAL

Column: Rtxi-5Sil MS (0.25 mm)



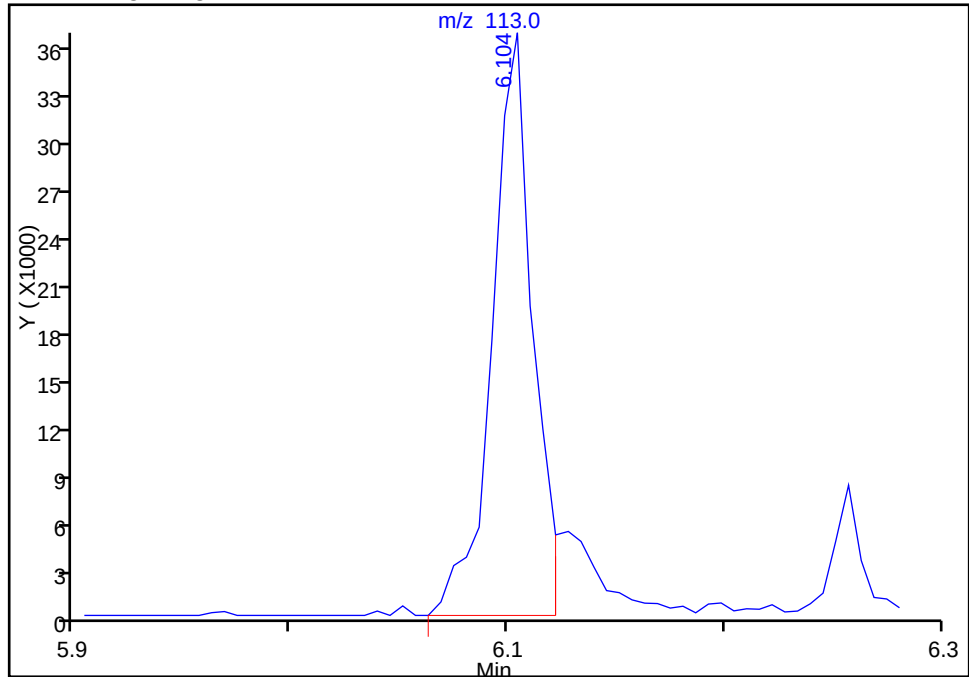
TestAmerica Edison

Data File:	\\EDICHRON\ChromData\CBNAMS14\20141007-19042.b\N1101.D		
Injection Date:	07-Oct-2014 20:54:30	Instrument ID:	CBNAMS14
Lims ID:	STD4		
Client ID:			
Operator ID:	BL	ALS Bottle#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

42 Caprolactam, CAS: 105-60-2

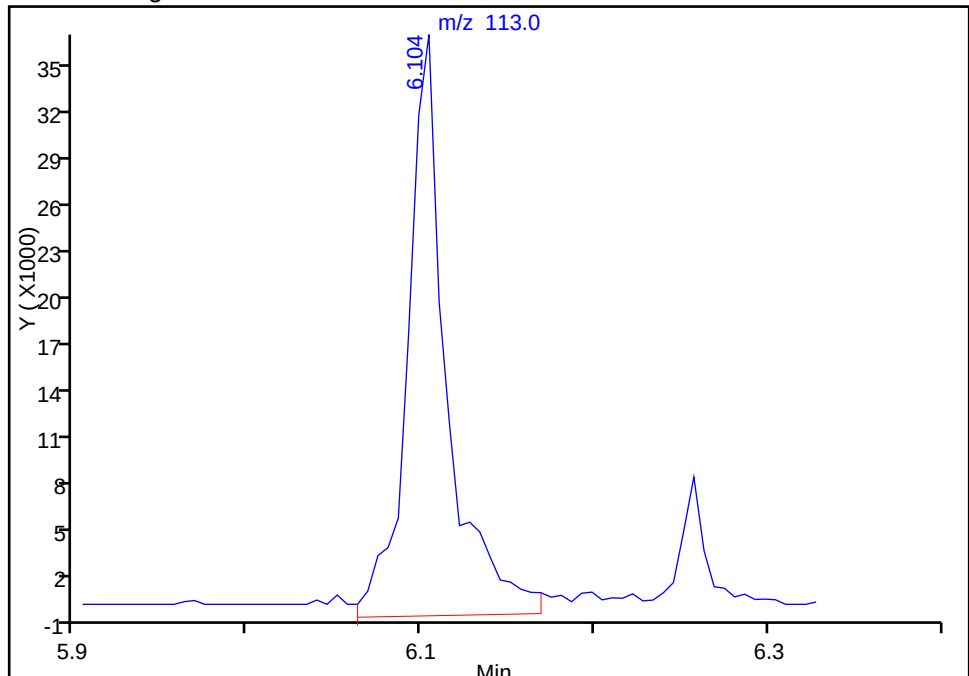
RT: 6.10
Response: 47514
Amount: 3.429578

Processing Integration Results



RT: 6.10
Response: 58815
Amount: 4.992762

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 22:39:28
Audit Action: Manually Integrated
Audit Reason: Baseline

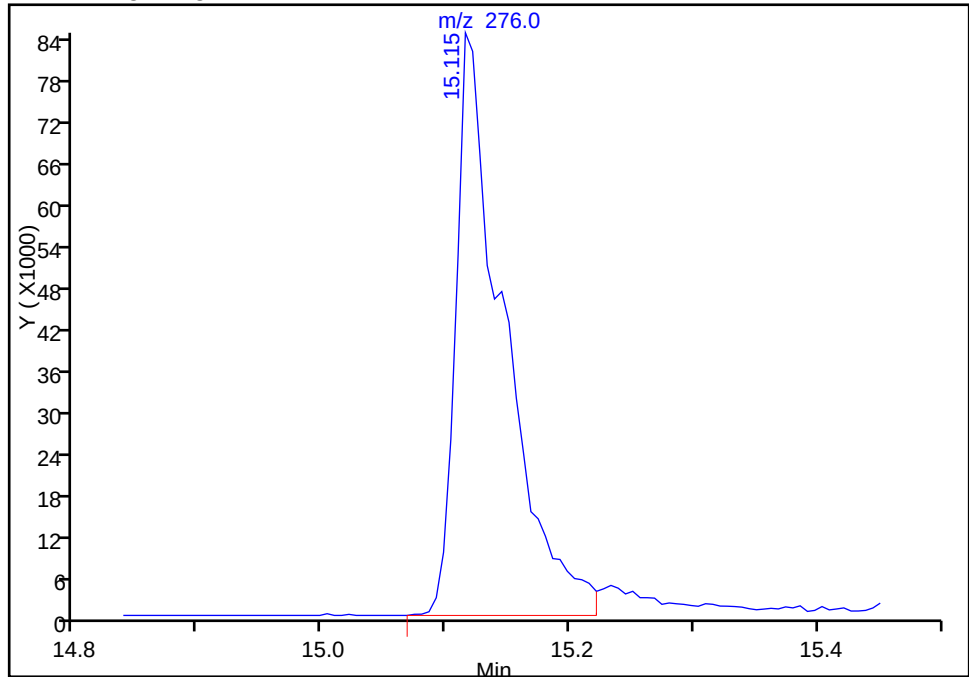
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1101.D		
Injection Date:	07-Oct-2014 20:54:30	Instrument ID:	CBNAMS14
Lims ID:	STD4		
Client ID:			
Operator ID:	BL	ALS Bottle#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	5

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

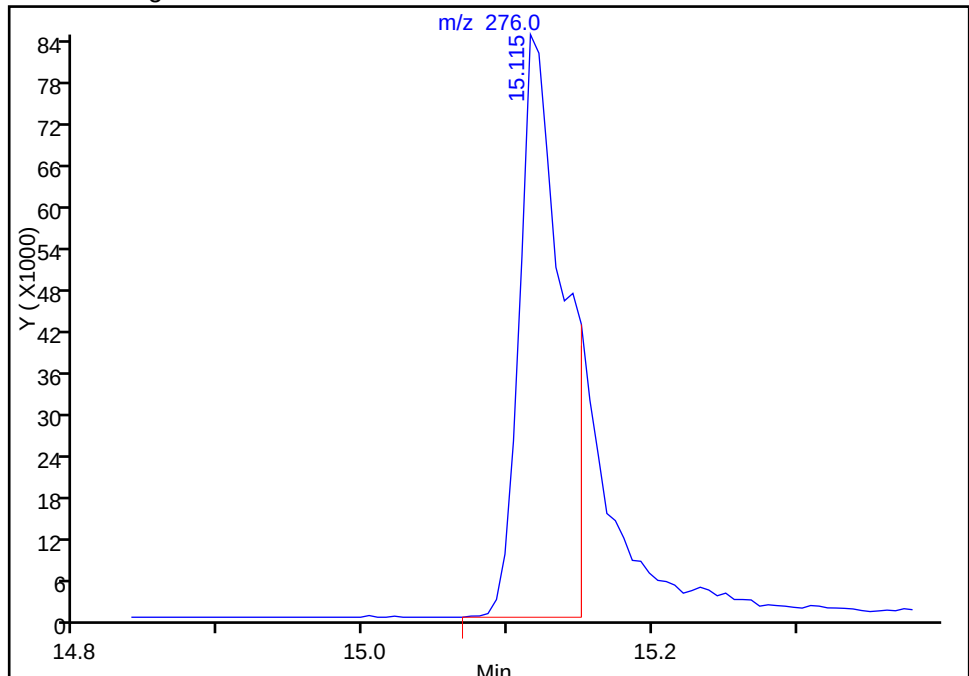
Processing Integration Results

RT: 15.12
Response: 228007
Amount: 4.191897



Manual Integration Results

RT: 15.12
Response: 179730
Amount: 4.130108



Reviewer: bayoumiw, 07-Oct-2014 22:39:28
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

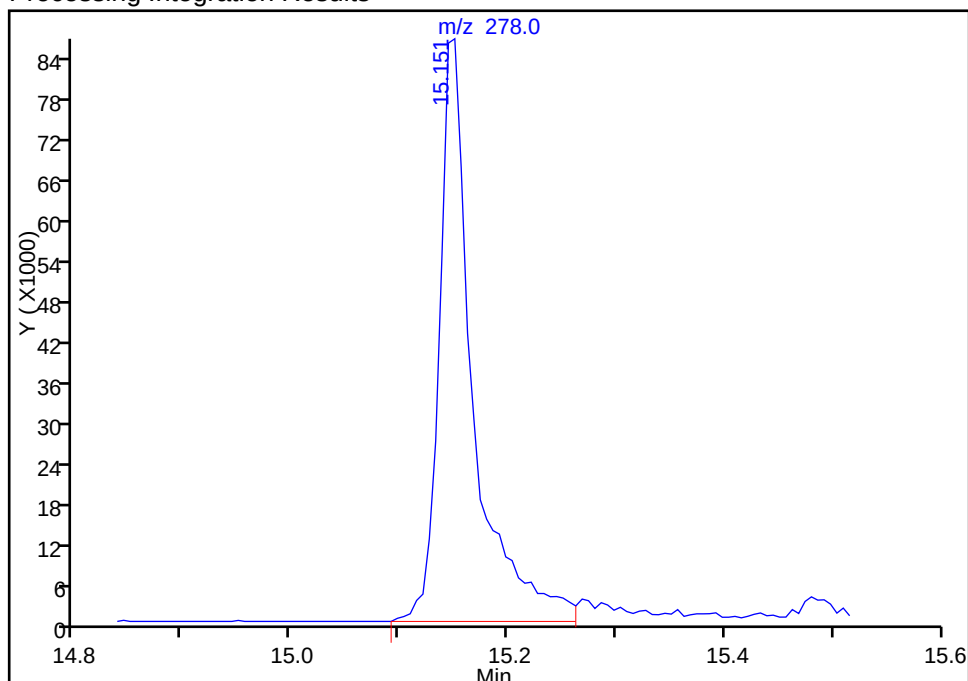
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1101.D
Injection Date: 07-Oct-2014 20:54:30 Instrument ID: CBNAMS14
Lims ID: STD4
Client ID:
Operator ID: BL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

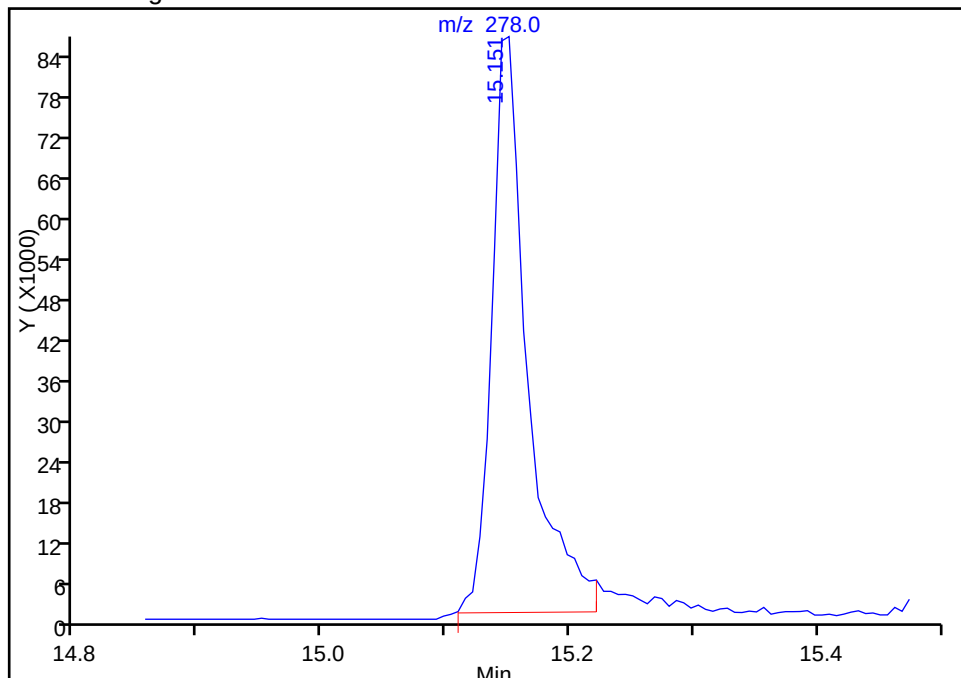
RT: 15.15
Response: 189114
Amount: 3.544058

Processing Integration Results



RT: 15.15
Response: 172966
Amount: 4.010587

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:50:50
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1102.D
 Lims ID: STD2
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 07-Oct-2014 21:20:30 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0019042-006
 Operator ID: BL Instrument ID: CBNAMS14
 Sublist: chrom-8270LVI_14*sub1
 Method: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\8270LVI_14.m
 Limit Group: SV 625 ICAL
 Last Update: 08-Oct-2014 11:44:09 Calib Date: 08-Oct-2014 01:14:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1111.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: bayoumiw

Date: 07-Oct-2014 22:40:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.322	2.316	0.006	93	112046	2.00	2.09	
2 N-Nitrosodimethylamine	74	2.446	2.446	0.000	88	147400	2.00	2.13	
3 Pyridine	79	2.481	2.475	0.006	79	253017	2.00	2.05	
\$ 4 2-Fluorophenol	112	3.252	3.251	0.001	88	212162	2.00	1.97	
\$ 6 Phenol-d5	99	4.034	4.046	-0.012	97	240435	2.00	1.98	
7 Phenol	94	4.046	4.057	-0.011	98	264451	2.00	2.11	
8 Aniline	93	4.087	4.093	-0.006	92	309190	2.00	2.03	
9 Bis(2-chloroethyl)ether	93	4.140	4.151	-0.011	88	214816	2.00	2.02	
10 Benzonitrile	103	4.163	4.175	-0.012	96	356776	2.00	2.02	
11 2-Chlorophenol	128	4.204	4.216	-0.012	89	212043	2.00	2.10	
12 n-Decane	43	4.257	4.257	0.000	87	377439	2.00	2.12	
13 1,3-Dichlorobenzene	146	4.363	4.369	-0.006	93	243885	2.00	2.08	
* 14 1,4-Dichlorobenzene-d4	152	4.416	4.422	-0.006	95	617167	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.434	4.434	0.000	90	249037	2.00	2.11	
16 Benzyl alcohol	108	4.546	4.551	-0.005	92	101480	2.00	2.04	M
17 1,2-Dichlorobenzene	146	4.587	4.593	-0.006	88	225912	2.00	2.09	
18 2-Methylphenol	108	4.652	4.663	-0.011	86	188754	2.00	2.10	
19 2,2'-oxybis[1-chloropropan	45	4.687	4.693	-0.006	93	418829	2.00	2.14	
22 N-Methylaniline	106	4.804	4.810	-0.006	88	285021	2.00	2.08	
24 4-Methylphenol	108	4.810	4.822	-0.012	69	200855	2.00	2.13	
23 3 & 4 Methylphenol	108	4.810	4.822	-0.012	82	204010	NC	NC	
21 Acetophenone	105	4.810	4.822	-0.012	79	272106	2.00	2.13	
25 N-Nitrosodi-n-propylamine	70	4.810	4.828	-0.018	68	143548	2.00	2.14	
26 Hexachloroethane	117	4.928	4.928	0.000	95	96442	2.00	2.12	
\$ 27 Nitrobenzene-d5	82	4.963	4.975	-0.012	89	216094	2.00	1.99	
28 Nitrobenzene	77	4.987	4.993	-0.005	87	305042	2.00	2.08	
29 n,n'-Dimethylaniline	120	4.993	4.998	-0.005	89	285874	2.00	2.07	
30 Isophorone	82	5.222	5.234	-0.012	98	351267	2.00	2.10	
32 2-Nitrophenol	139	5.310	5.310	0.000	85	85091	2.00	2.03	
33 2,4-Dimethylphenol	122	5.346	5.351	-0.005	57	134254	2.00	1.92	
34 Bis(2-chloroethoxy)methane	93	5.446	5.445	0.001	96	221818	2.00	2.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.546	5.551	-0.005	93	147354	2.00	2.07	
37 1,2,4-Trichlorobenzene	180	5.640	5.640	0.000	93	177771	2.00	2.07	
* 38 Naphthalene-d8	136	5.693	5.698	-0.005	100	1958726	8.00	8.00	
39 Naphthalene	128	5.716	5.722	-0.006	94	556323	2.00	2.10	
40 4-Chloroaniline	127	5.769	5.769	0.000	94	183528	2.00	2.09	
41 Hexachlorobutadiene	225	5.851	5.851	0.000	92	119713	2.00	2.09	
42 Caprolactam	113	6.087	6.128	-0.041	85	22133	2.00	1.92	M
43 4-Chloro-3-methylphenol	107	6.257	6.263	-0.006	89	127621	2.00	2.08	
44 2-Methylnaphthalene	142	6.410	6.416	-0.006	84	320580	2.00	2.12	
45 1-Methylnaphthalene	142	6.510	6.516	-0.006	90	291420	2.00	2.11	
46 Hexachlorocyclopentadiene	237	6.581	6.581	0.000	57	98892	2.00	1.93	
47 1,2,4,5-Tetrachlorobenzene	216	6.581	6.587	-0.006	91	162545	2.00	2.07	
48 2-tertbutyl-4-methylphenol	149	6.610	6.616	-0.006	90	176174	NC	NC	
49 2,4,6-Trichlorophenol	196	6.693	6.698	-0.005	85	95990	2.00	2.06	
50 2,4,5-Trichlorophenol	196	6.728	6.734	-0.006	92	77163	2.00	2.02	
\$ 51 2-Fluorobiphenyl	172	6.775	6.781	-0.006	96	332695	2.00	1.97	
52 1,1'-Biphenyl	154	6.875	6.881	-0.006	96	358510	2.00	2.03	
53 2-Chloronaphthalene	162	6.893	6.898	-0.005	96	283186	2.00	2.11	
54 Phenyl ether	170	6.981	6.987	-0.005	68	189656	2.00	2.03	
55 2-Nitroaniline	65	6.993	6.998	-0.005	91	101388	2.00	2.05	
57 1,3-Dimethylnaphthalene	156	7.116	7.116	0.000	90	209236	2.00	2.00	
58 Dimethyl phthalate	163	7.175	7.186	-0.011	96	245556	2.00	2.05	
60 Coumarin	146	7.198	7.204	-0.006	68	69976	2.00	1.97	
61 2,6-Dinitrotoluene	165	7.234	7.239	-0.005	66	54585	2.00	2.13	
62 Acenaphthylene	152	7.310	7.316	-0.006	83	420053	2.00	2.06	
63 3-Nitroaniline	138	7.398	7.410	-0.012	90	50420	2.00	2.21	
* 64 Acenaphthene-d10	164	7.451	7.451	0.000	94	824095	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.469	7.475	-0.006	86	211983	NC	NC	
66 Acenaphthene	154	7.481	7.486	-0.005	95	274783	2.00	2.15	
67 2,4-Dinitrophenol	184	7.498	7.510	-0.012	40	34127	4.00	3.96	
68 4-Nitrophenol	65	7.563	7.575	-0.012	93	59956	4.00	3.50	
69 2,4-Dinitrotoluene	165	7.628	7.639	-0.011	88	67733	2.00	2.25	
70 Dibenzofuran	168	7.651	7.657	-0.006	92	370386	2.00	2.07	
72 2,3,4,6-Tetrachlorophenol	232	7.775	7.781	-0.006	92	59130	2.00	1.87	
73 Diethyl phthalate	149	7.875	7.881	-0.006	98	241746	2.00	2.11	
75 4-Chlorophenyl phenyl ethe	204	7.987	7.992	-0.005	79	134512	2.00	2.05	
74 Fluorene	166	7.992	7.992	0.000	86	270690	2.00	2.08	
76 4-Nitroaniline	138	7.998	8.016	-0.018	67	37345	2.00	2.33	
77 4,6-Dinitro-2-methylphenol	198	8.034	8.045	-0.011	77	51993	4.00	3.54	
78 N-Nitrosodiphenylamine	169	8.104	8.110	-0.006	58	155667	2.00	2.00	
79 1,2-Diphenylhydrazine	77	8.145	8.145	0.000	97	283689	2.00	2.05	
\$ 80 2,4,6-Tribromophenol	330	8.228	8.233	-0.005	89	39775	2.00	1.95	
81 4-Bromophenyl phenyl ether	248	8.469	8.475	-0.006	88	75286	2.00	2.00	
82 Hexachlorobenzene	284	8.539	8.545	-0.006	82	92596	2.00	2.16	
83 Atrazine	200	8.628	8.633	-0.005	91	47109	2.00	1.98	
84 Pentachlorophenol	266	8.734	8.733	0.001	86	62834	4.00	3.57	
85 Pentachloronitrobenzene	237	8.745	8.751	-0.006	88	27437	NC	NC	
86 n-Octadecane	57	8.810	8.810	0.000	86	247905	2.00	1.92	
* 87 Phenanthrene-d10	188	8.916	8.916	0.000	99	1130464	8.00	8.00	
88 Phenanthrene	178	8.939	8.939	0.000	98	332142	2.00	2.10	
89 Anthracene	178	8.987	8.992	-0.005	98	325562	2.00	2.09	
90 Carbazole	167	9.139	9.145	-0.006	82	258961	2.00	2.37	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Di-n-butyl phthalate	149	9.486	9.486	0.000	99	295582	2.00	2.12	
93 Fluoranthene	202	10.110	10.110	0.000	99	284513	2.00	2.23	
94 Benzidine	184	10.239	10.239	0.000	93	38880	2.00	2.81	
95 Pyrene	202	10.339	10.339	0.000	98	274944	2.00	2.17	
\$ 96 Terphenyl-d14	244	10.492	10.498	-0.006	98	171570	2.00	2.07	
97 Butyl benzyl phthalate	149	11.028	11.033	-0.005	96	70805	2.00	1.97	
99 Carbamazepine	193	11.157	11.163	-0.006	89	25819	2.00	1.55	
100 3,3'-Dichlorobenzidine	252	11.669	11.669	0.000	93	36220	2.00	2.00	
101 Benzo[a]anthracene	228	11.698	11.704	-0.006	95	158043	2.00	2.00	
* 102 Chrysene-d12	240	11.710	11.716	-0.006	99	579837	8.00	8.00	
104 Bis(2-ethylhexyl) phthalat	149	11.739	11.739	0.000	84	84263	2.00	1.77	
103 Chrysene	228	11.745	11.751	-0.006	96	161629	2.00	2.09	
105 Di-n-octyl phthalate	149	12.610	12.610	0.000	92	109242	2.00	1.83	
106 Benzo[b]fluoranthene	252	13.127	13.133	-0.006	97	92196	2.00	2.03	
107 Benzo[k]fluoranthene	252	13.163	13.168	-0.005	95	110958	2.00	1.95	
108 Benzo[a]pyrene	252	13.580	13.586	-0.006	96	94685	2.00	2.09	
* 109 Perylene-d12	264	13.657	13.663	-0.006	98	370210	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	15.116	15.127	-0.011	95	71158	2.00	1.70	M
111 Dibenz(a,h)anthracene	278	15.145	15.157	-0.012	88	85309	2.00	2.06	M
112 Benzo[g,h,i]perylene	276	15.480	15.492	-0.012	87	98841	2.00	1.88	
S 119 Total Cresols	1				0			2.10	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL4_00022

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1102.D

Injection Date: 07-Oct-2014 21:20:30

Instrument ID: CBNAMS14

Operator ID: BL

Lims ID: STD2

Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul

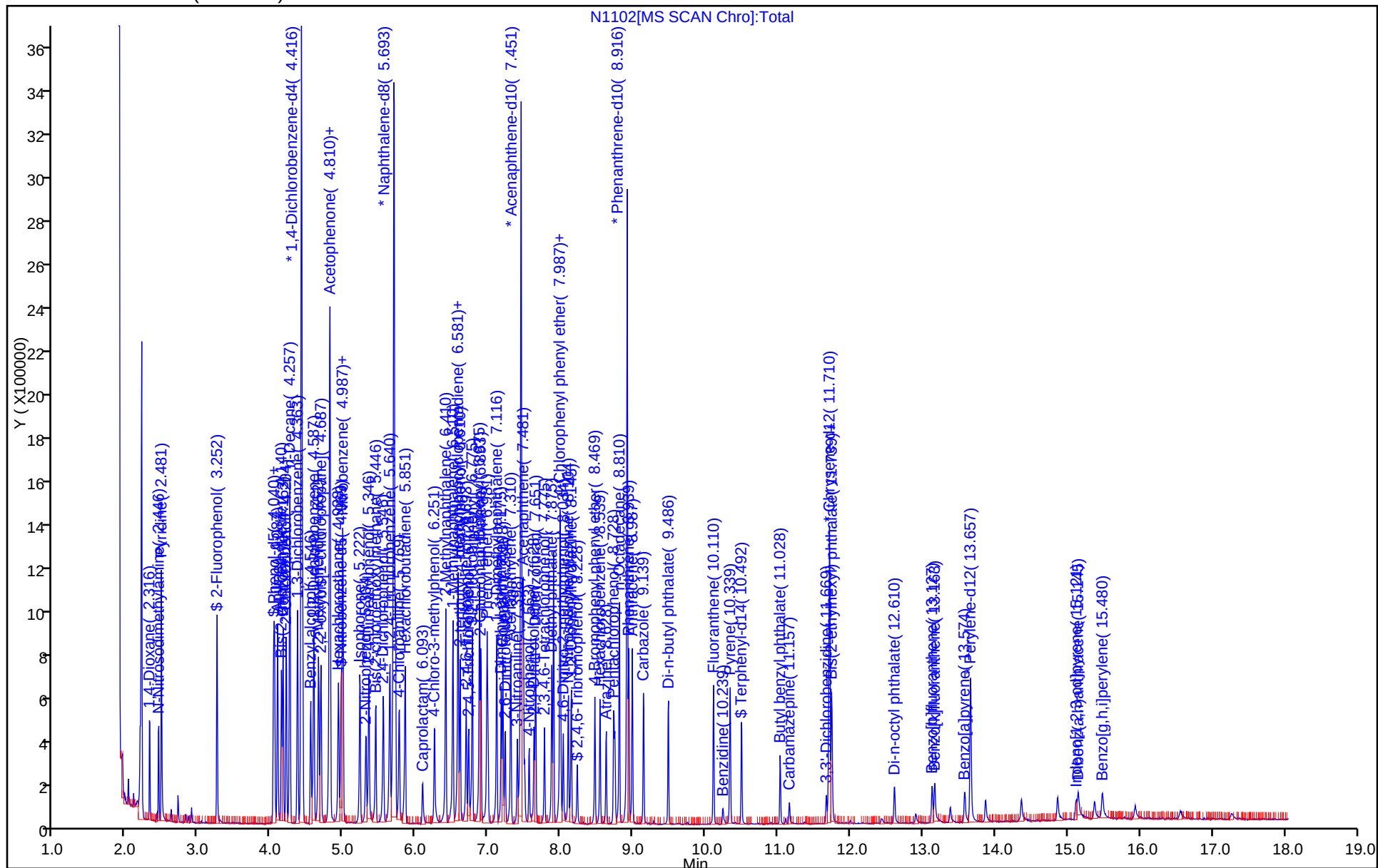
Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 8270LVI_14

Limit Group: SV 625 ICAL

Column: Rtxi-5Sil MS (0.25 mm)



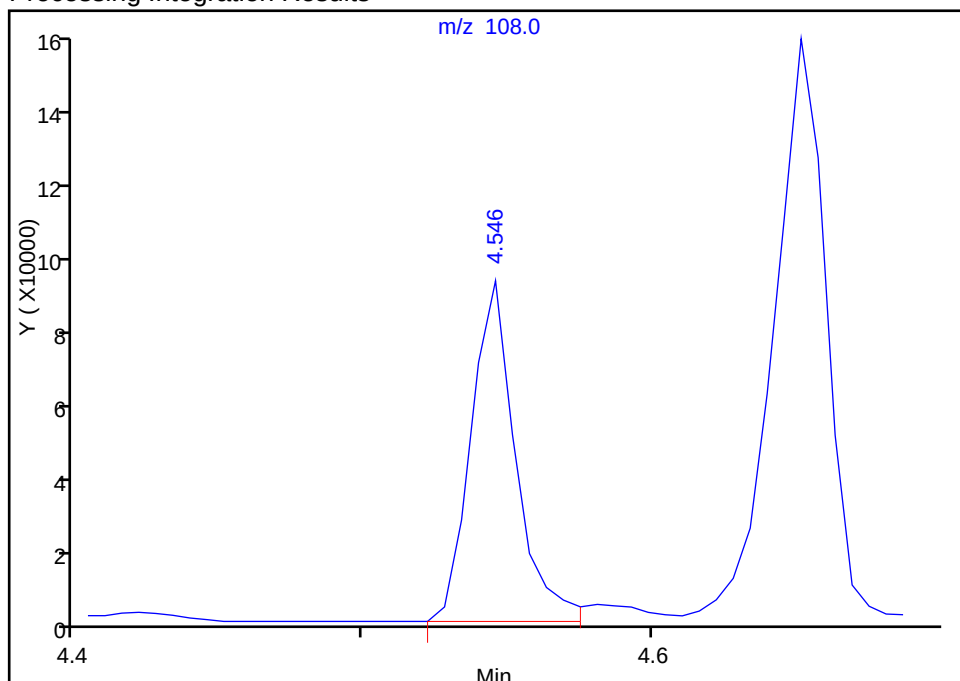
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1102.D		
Injection Date:	07-Oct-2014 21:20:30	Instrument ID:	CBNAMS14
Lims ID:	STD2		
Client ID:			
Operator ID:	BL	ALS Bottle#:	6
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	6

16 Benzyl alcohol, CAS: 100-51-6

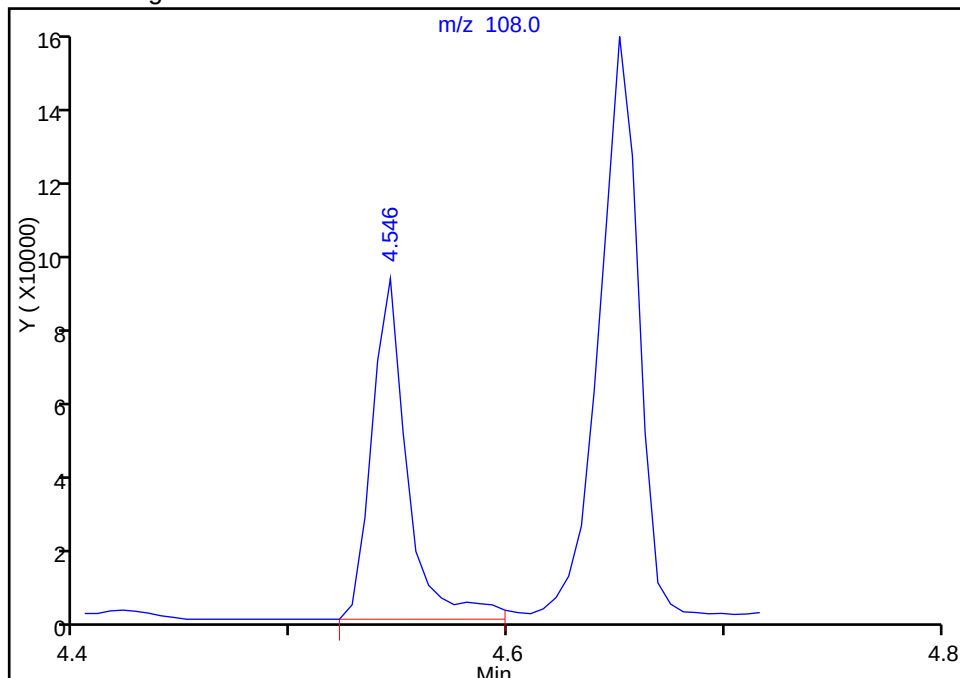
RT: 4.55
Response: 96347
Amount: 1.965246

Processing Integration Results



RT: 4.55
Response: 101480
Amount: 2.043357

Manual Integration Results



Reviewer: croccom, 08-Oct-2014 08:44:26
Audit Action: Manually Integrated
Audit Reason: Split Peak

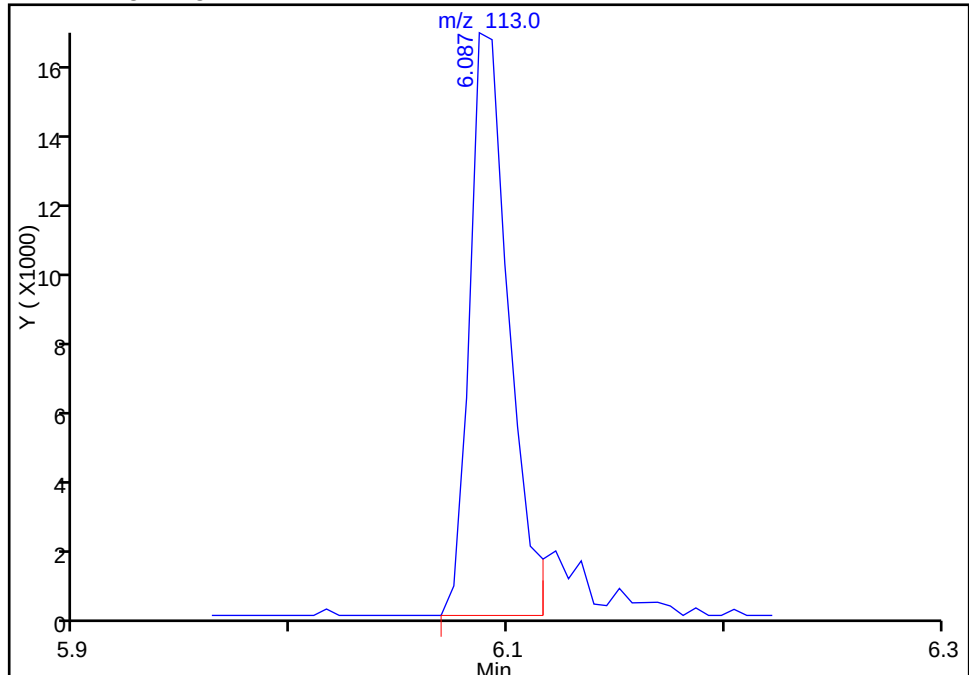
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1102.D		
Injection Date:	07-Oct-2014 21:20:30	Instrument ID:	CBNAMS14
Lims ID:	STD2		
Client ID:			
Operator ID:	BL	ALS Bottle#:	6
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	6

42 Caprolactam, CAS: 105-60-2

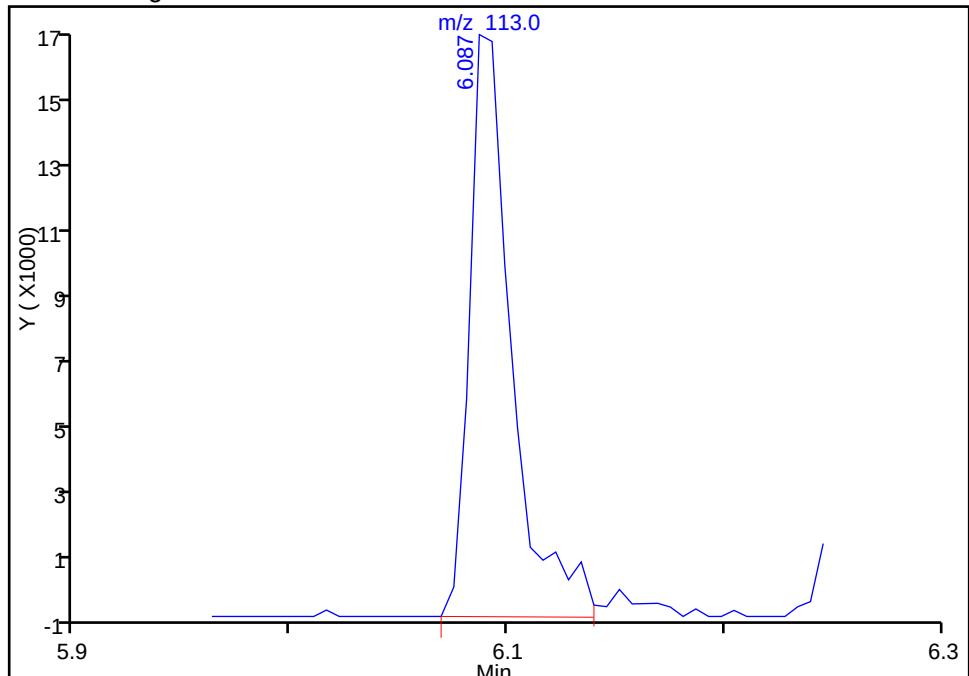
RT: 6.09
Response: 20439
Amount: 1.506013

Processing Integration Results



RT: 6.09
Response: 22133
Amount: 1.924542

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 22:40:44
Audit Action: Assigned New Baseline
Audit Reason: Baseline

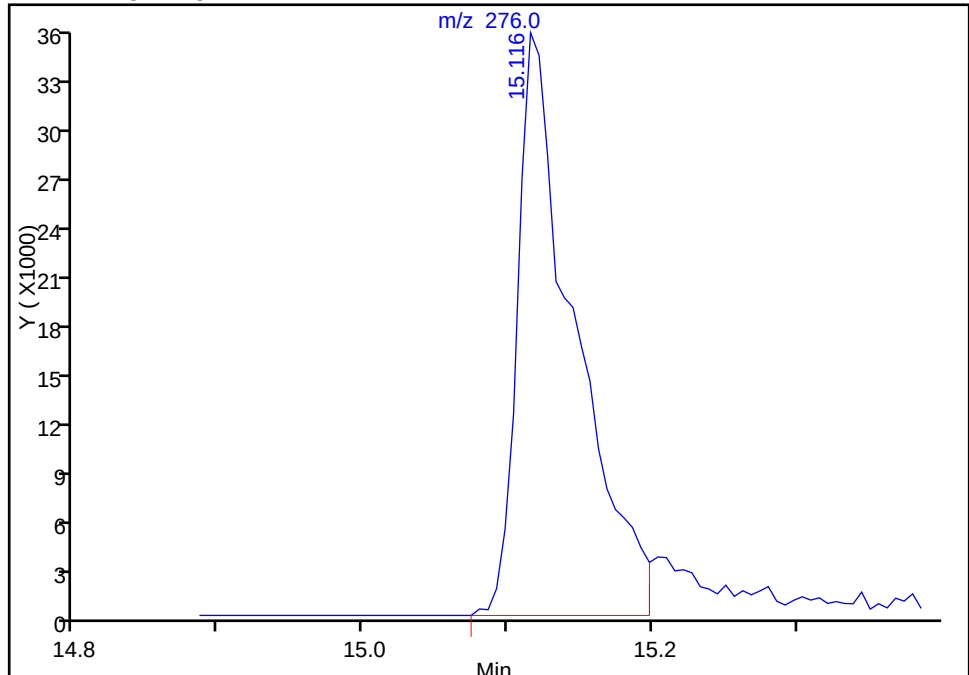
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1102.D		
Injection Date:	07-Oct-2014 21:20:30	Instrument ID:	CBNAMS14
Lims ID:	STD2		
Client ID:			
Operator ID:	BL	ALS Bottle#:	6
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	6

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

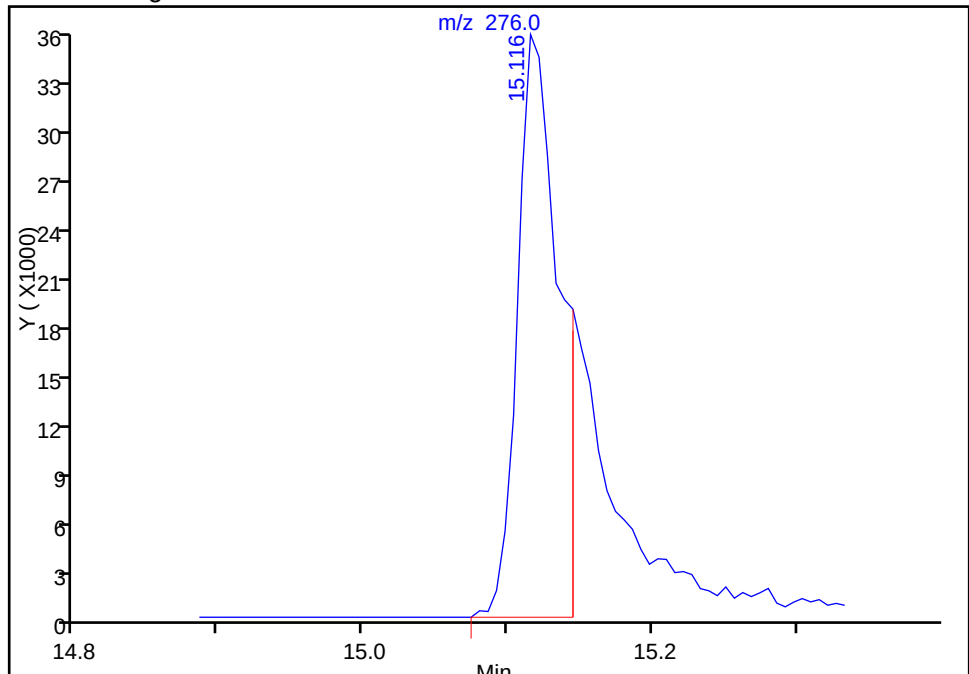
RT: 15.12
Response: 97019
Amount: 1.958206

Processing Integration Results



RT: 15.12
Response: 71158
Amount: 1.702331

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 22:40:44
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

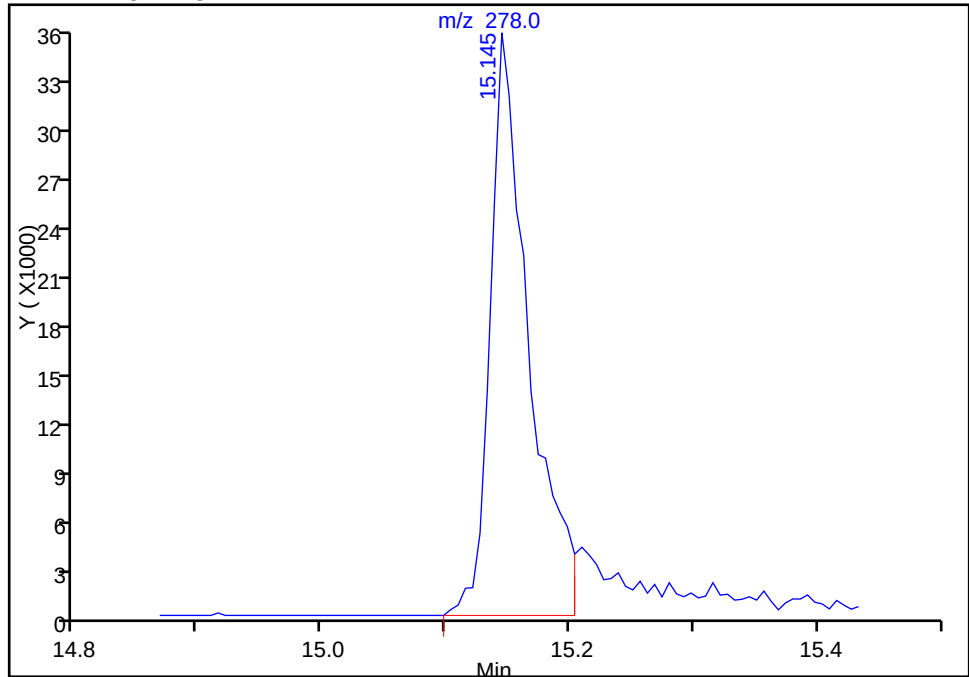
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1102.D
Injection Date: 07-Oct-2014 21:20:30 Instrument ID: CBNAMS14
Lims ID: STD2
Client ID:
Operator ID: BL ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

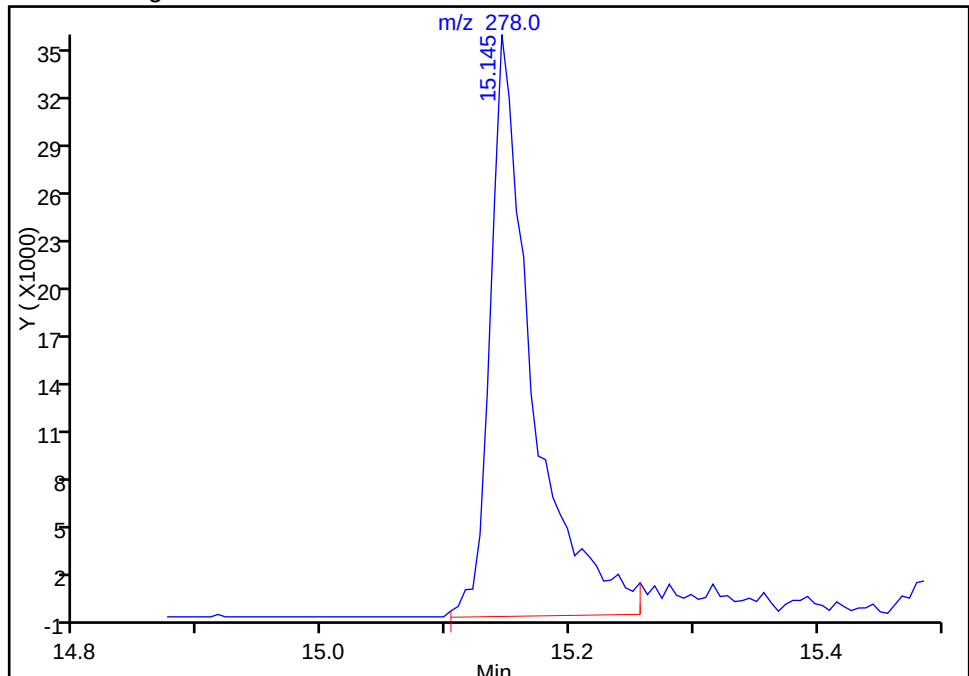
RT: 15.14
Response: 77610
Amount: 1.831572

Processing Integration Results



RT: 15.14
Response: 85309
Amount: 2.059309

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:58:08
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1103.D
 Lims ID: STD1
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 07-Oct-2014 21:46:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0019042-007
 Operator ID: BL Instrument ID: CBNAMS14
 Sublist: chrom-8270LVI_14*sub1
 Method: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\8270LVI_14.m
 Limit Group: SV 625 ICAL
 Last Update: 08-Oct-2014 11:44:13 Calib Date: 08-Oct-2014 01:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1111.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: bayoumiw

Date: 07-Oct-2014 22:42:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.322	2.316	0.006	91	52016	1.00	0.8570	
2 N-Nitrosodimethylamine	74	2.446	2.446	0.000	88	68177	1.00	0.8703	
3 Pyridine	79	2.487	2.475	0.012	81	115007	1.00	0.8234	
\$ 4 2-Fluorophenol	112	3.251	3.251	0.000	90	100103	1.00	0.8191	
\$ 6 Phenol-d5	99	4.028	4.046	-0.018	91	120487	1.00	0.8742	
7 Phenol	94	4.040	4.057	-0.017	98	124433	1.00	0.8779	
8 Aniline	93	4.087	4.093	-0.006	100	146614	1.00	0.8512	
9 Bis(2-chloroethyl)ether	93	4.140	4.151	-0.011	91	104660	1.00	0.8670	
10 Benzonitrile	103	4.163	4.175	-0.012	97	174790	1.00	0.8729	
11 2-Chlorophenol	128	4.204	4.216	-0.012	91	98695	1.00	0.8609	
12 n-Decane	43	4.257	4.257	0.000	89	175148	1.00	0.8670	
13 1,3-Dichlorobenzene	146	4.363	4.369	-0.006	94	115731	1.00	0.8722	
* 14 1,4-Dichlorobenzene-d4	152	4.416	4.422	-0.006	98	699264	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.434	4.434	0.000	78	118678	1.00	0.8893	
16 Benzyl alcohol	108	4.545	4.551	-0.006	90	45185	1.00	0.8030	M
17 1,2-Dichlorobenzene	146	4.587	4.593	-0.006	93	109161	1.00	0.8913	
18 2-Methylphenol	108	4.651	4.663	-0.012	89	89422	1.00	0.8769	
19 2,2'-oxybis[1-chloropropan	45	4.687	4.693	-0.006	93	203636	1.00	0.9193	
22 N-Methylaniline	106	4.804	4.810	-0.006	89	142119	1.00	0.9164	
24 4-Methylphenol	108	4.804	4.822	-0.018	82	98509	1.00	0.9214	
23 3 & 4 Methylphenol	108	4.804	4.822	-0.018	91	98509	NC	NC	
21 Acetophenone	105	4.810	4.822	-0.012	91	132257	1.00	0.9152	
25 N-Nitrosodi-n-propylamine	70	4.810	4.828	-0.018	89	69348	1.00	0.9109	
26 Hexachloroethane	117	4.928	4.928	0.000	90	41567	1.00	0.8069	
\$ 27 Nitrobenzene-d5	82	4.963	4.975	-0.012	94	105526	1.00	0.8535	
28 Nitrobenzene	77	4.981	4.993	-0.011	90	147421	1.00	0.8848	
29 n,n'-Dimethylaniline	120	4.987	4.998	-0.011	91	137635	1.00	0.8814	
30 Isophorone	82	5.222	5.234	-0.012	99	172597	1.00	0.9052	
32 2-Nitrophenol	139	5.304	5.310	-0.006	84	40597	1.00	0.8490	
33 2,4-Dimethylphenol	122	5.345	5.351	-0.006	88	70758	1.00	0.8873	
34 Bis(2-chloroethoxy)methane	93	5.439	5.445	-0.006	94	103284	1.00	0.8522	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.545	5.551	-0.006	93	70118	1.00	0.8656	
37 1,2,4-Trichlorobenzene	180	5.639	5.640	-0.001	93	84570	1.00	0.8670	
* 38 Naphthalene-d8	136	5.692	5.698	-0.006	100	2229418	8.00	8.00	
39 Naphthalene	128	5.716	5.722	-0.006	99	262764	1.00	0.8733	
40 4-Chloroaniline	127	5.763	5.769	-0.006	93	86067	1.00	0.8625	
41 Hexachlorobutadiene	225	5.851	5.851	0.000	94	56298	1.00	0.8624	
42 Caprolactam	113	6.086	6.128	-0.042	86	9988	1.00	0.7630	M
43 4-Chloro-3-methylphenol	107	6.251	6.263	-0.012	95	54622	1.00	0.7820	
44 2-Methylnaphthalene	142	6.410	6.416	-0.006	85	149533	1.00	0.8672	
45 1-Methylnaphthalene	142	6.510	6.516	-0.006	91	133856	1.00	0.8496	
46 Hexachlorocyclopentadiene	237	6.581	6.581	0.000	96	45221	1.00	0.7427	
47 1,2,4,5-Tetrachlorobenzene	216	6.581	6.587	-0.006	97	80486	1.00	0.8607	
48 2-tertbutyl-4-methylphenol	149	6.610	6.616	-0.006	90	92463	NC	NC	
49 2,4,6-Trichlorophenol	196	6.692	6.698	-0.006	88	42132	1.00	0.7600	
50 2,4,5-Trichlorophenol	196	6.722	6.734	-0.012	95	34118	1.00	0.7519	
\$ 51 2-Fluorobiphenyl	172	6.775	6.781	-0.006	98	166300	1.00	0.8259	
52 1,1'-Biphenyl	154	6.875	6.881	-0.006	95	177274	1.00	0.8427	
53 2-Chloronaphthalene	162	6.892	6.898	-0.006	97	135471	1.00	0.8475	
54 Phenyl ether	170	6.981	6.987	-0.005	89	93311	1.00	0.8412	
55 2-Nitroaniline	65	6.992	6.998	-0.006	93	47640	1.00	0.8087	
57 1,3-Dimethylnaphthalene	156	7.116	7.116	0.000	90	97825	1.00	0.7875	
58 Dimethyl phthalate	163	7.175	7.186	-0.011	98	118013	1.00	0.8290	
60 Coumarin	146	7.198	7.204	-0.006	72	35224	1.00	0.8715	
61 2,6-Dinitrotoluene	165	7.228	7.239	-0.011	92	26083	1.00	0.8574	
62 Acenaphthylene	152	7.304	7.316	-0.012	98	197103	1.00	0.8120	
63 3-Nitroaniline	138	7.398	7.410	-0.012	90	25595	1.00	0.9438	
* 64 Acenaphthene-d10	164	7.451	7.451	0.000	94	980551	8.00	8.00	
65 3,5-di-tert-butyl-4-hydrox	205	7.469	7.475	-0.006	98	119915	NC	NC	
66 Acenaphthene	154	7.481	7.486	-0.005	95	130916	1.00	0.8594	
67 2,4-Dinitrophenol	184	7.498	7.510	-0.012	86	11109	2.00	2.42	
68 4-Nitrophenol	65	7.557	7.575	-0.018	96	24193	2.00	1.19	
69 2,4-Dinitrotoluene	165	7.628	7.639	-0.011	92	29621	1.00	0.8267	
70 Dibenzofuran	168	7.651	7.657	-0.006	96	180409	1.00	0.8486	
72 2,3,4,6-Tetrachlorophenol	232	7.775	7.781	-0.006	94	29974	1.00	0.7973	
73 Diethyl phthalate	149	7.875	7.881	-0.006	98	113363	1.00	0.8302	
75 4-Chlorophenyl phenyl ethe	204	7.986	7.992	-0.006	79	67032	1.00	0.8582	
74 Fluorene	166	7.986	7.992	-0.006	96	129864	1.00	0.8387	
76 4-Nitroaniline	138	7.998	8.016	-0.018	95	17966	1.00	0.9405	
77 4,6-Dinitro-2-methylphenol	198	8.033	8.045	-0.012	84	18768	2.00	1.09	
78 N-Nitrosodiphenylamine	169	8.104	8.110	-0.006	69	77990	1.00	0.8530	
79 1,2-Diphenylhydrazine	77	8.145	8.145	0.000	99	131610	1.00	0.8117	
\$ 80 2,4,6-Tribromophenol	330	8.228	8.233	-0.005	94	18330	1.00	0.7558	
81 4-Bromophenyl phenyl ether	248	8.469	8.475	-0.006	91	36191	1.00	0.8214	
82 Hexachlorobenzene	284	8.539	8.545	-0.006	94	43661	1.00	0.8683	
83 Atrazine	200	8.628	8.633	-0.005	89	21392	1.00	0.7682	
84 Pentachlorophenol	266	8.733	8.733	0.000	90	23296	2.00	1.13	
85 Pentachloronitrobenzene	237	8.745	8.751	-0.006	90	11303	NC	NC	
86 n-Octadecane	57	8.810	8.810	0.000	88	111195	1.00	0.7339	
* 87 Phenanthrene-d10	188	8.916	8.916	0.000	99	1324989	8.00	8.00	
88 Phenanthrene	178	8.939	8.939	0.000	97	161417	1.00	0.8712	
89 Anthracene	178	8.986	8.992	-0.006	98	157991	1.00	0.8650	
90 Carbazole	167	9.139	9.145	-0.006	95	119615	1.00	0.9323	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Di-n-butyl phthalate	149	9.486	9.486	0.000	100	131193	1.00	0.8039	
93 Fluoranthene	202	10.110	10.110	0.000	99	118564	1.00	0.7932	
94 Benzidine	184	10.239	10.239	0.000	99	20094	1.00	1.24	
95 Pyrene	202	10.339	10.339	0.000	99	122867	1.00	0.8754	
\$ 96 Terphenyl-d14	244	10.498	10.498	0.000	99	78787	1.00	0.8586	
97 Butyl benzyl phthalate	149	11.027	11.033	-0.006	96	30770	1.00	0.7721	
99 Carbamazepine	193	11.157	11.163	-0.006	95	12211	1.00	0.6613	
100 3,3'-Dichlorobenzidine	252	11.668	11.669	-0.001	98	16833	1.00	0.8412	
101 Benzo[a]anthracene	228	11.698	11.704	-0.006	98	71512	1.00	0.8198	
* 102 Chrysene-d12	240	11.716	11.716	0.000	99	641386	8.00	8.00	
104 Bis(2-ethylhexyl) phthalat	149	11.739	11.739	0.000	89	38395	1.00	0.7310	
103 Chrysene	228	11.745	11.751	-0.006	99	71987	1.00	0.8426	
105 Di-n-octyl phthalate	149	12.610	12.610	0.000	97	44495	1.00	0.6996	
106 Benzo[b]fluoranthene	252	13.127	13.133	-0.006	97	43102	1.00	0.8898	M
107 Benzo[k]fluoranthene	252	13.163	13.168	-0.006	98	55195	1.00	0.9085	M
108 Benzo[a]pyrene	252	13.580	13.586	-0.006	97	39673	1.00	0.8184	M
* 109 Perylene-d12	264	13.662	13.663	-0.001	99	395187	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	15.115	15.127	-0.012	90	32778	1.00	0.7346	M
111 Dibenz(a,h)anthracene	278	15.145	15.157	-0.012	94	36260	1.00	0.8200	M
112 Benzo[g,h,i]perylene	276	15.480	15.492	-0.012	97	41574	1.00	0.7400	M
S 119 Total Cresols	1				0			0.8769	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL3_00013

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1103.D

Injection Date: 07-Oct-2014 21:46:30

Instrument ID: CBNAMS14

Operator ID: BL

Lims ID: STD1

Worklist Smp#: 7

Client ID:

Injection Vol: 5.0 ul

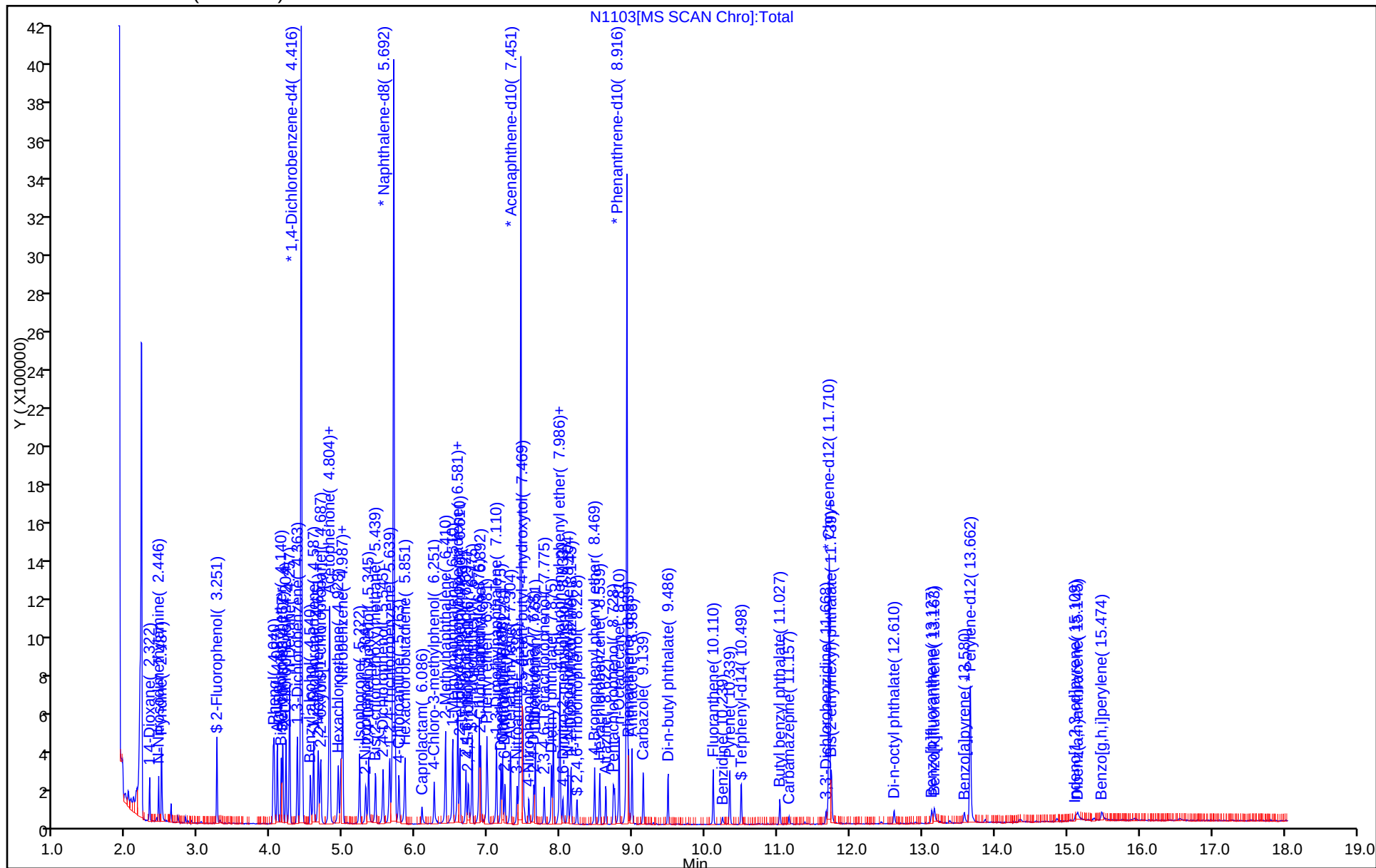
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270LVI_14

Limit Group: SV 625 ICAL

Column: Rtxi-5Sil MS (0.25 mm)



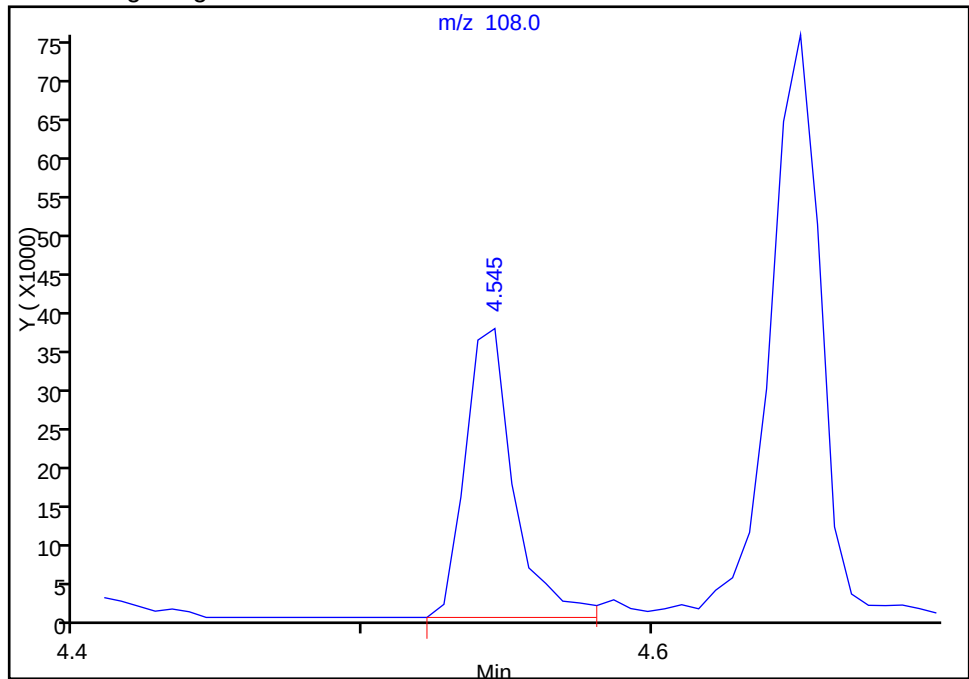
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1103.D
Injection Date: 07-Oct-2014 21:46:30 Instrument ID: CBNAMS14
Lims ID: STD1
Client ID:
Operator ID: BL ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

16 Benzyl alcohol, CAS: 100-51-6

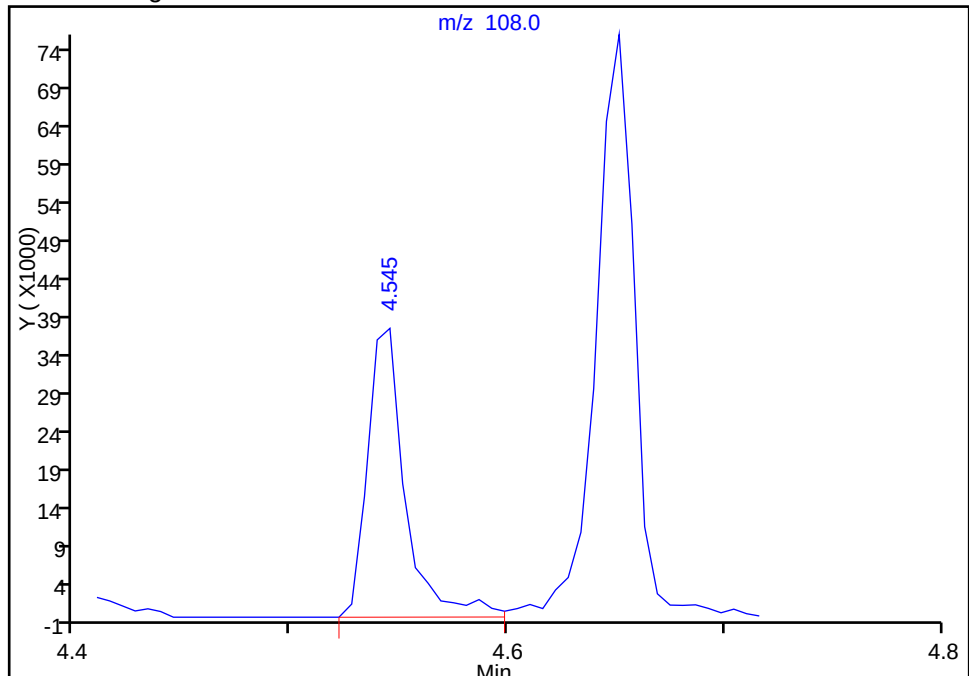
RT: 4.55
Response: 43756
Amount: 0.780917

Processing Integration Results



RT: 4.55
Response: 45185
Amount: 0.803008

Manual Integration Results



Reviewer: croccom, 08-Oct-2014 08:45:05
Audit Action: Manually Integrated
Audit Reason: Split Peak

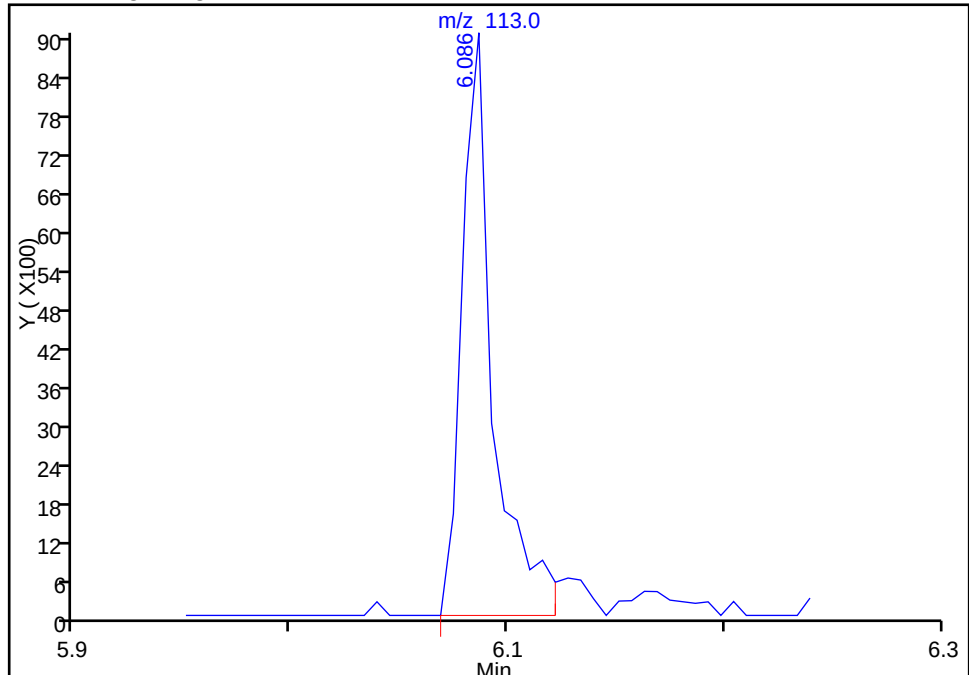
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1103.D		
Injection Date:	07-Oct-2014 21:46:30	Instrument ID:	CBNAMS14
Lims ID:	STD1		
Client ID:			
Operator ID:	BL	ALS Bottle#:	7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	7

42 Caprolactam, CAS: 105-60-2

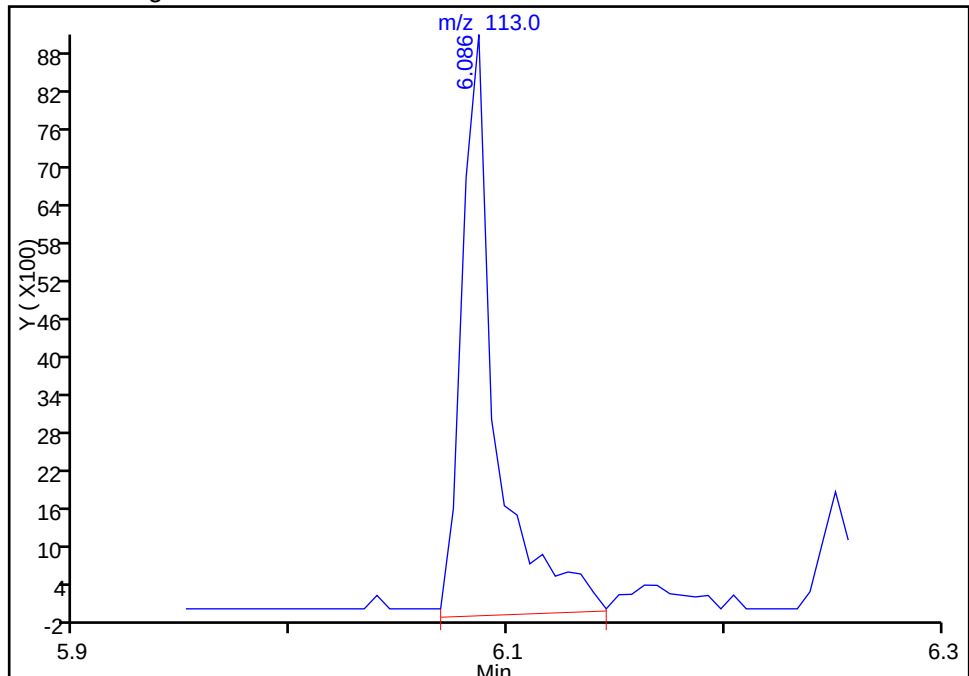
RT: 6.09
Response: 9084
Amount: 0.587915

Processing Integration Results



RT: 6.09
Response: 9988
Amount: 0.763041

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 22:46:37
Audit Action: Manually Integrated
Audit Reason: Baseline

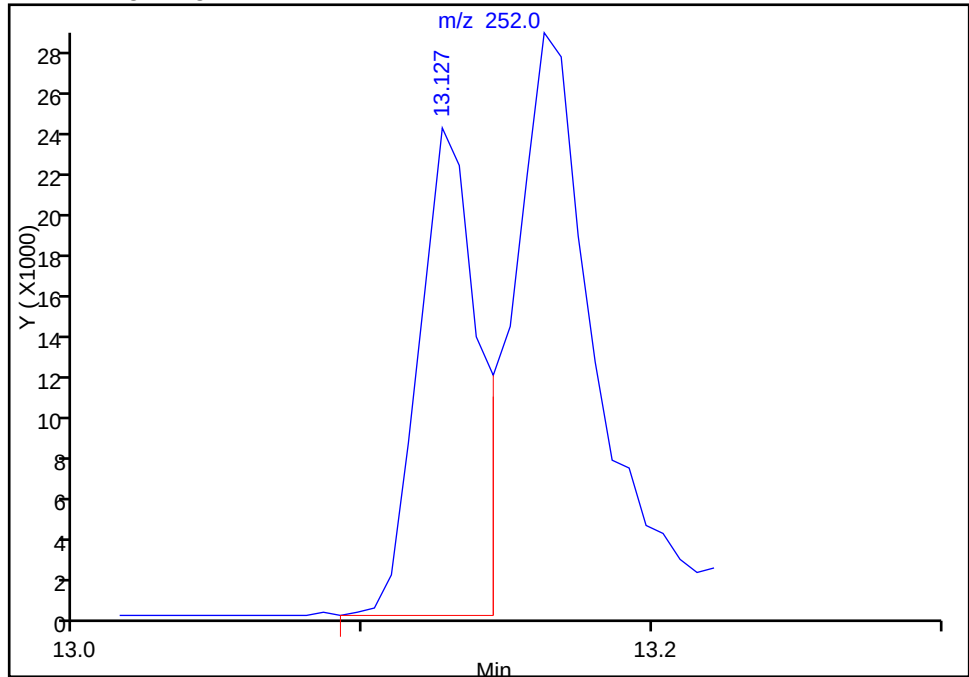
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1103.D
Injection Date: 07-Oct-2014 21:46:30 Instrument ID: CBNAMS14
Lims ID: STD1
Client ID:
Operator ID: BL ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

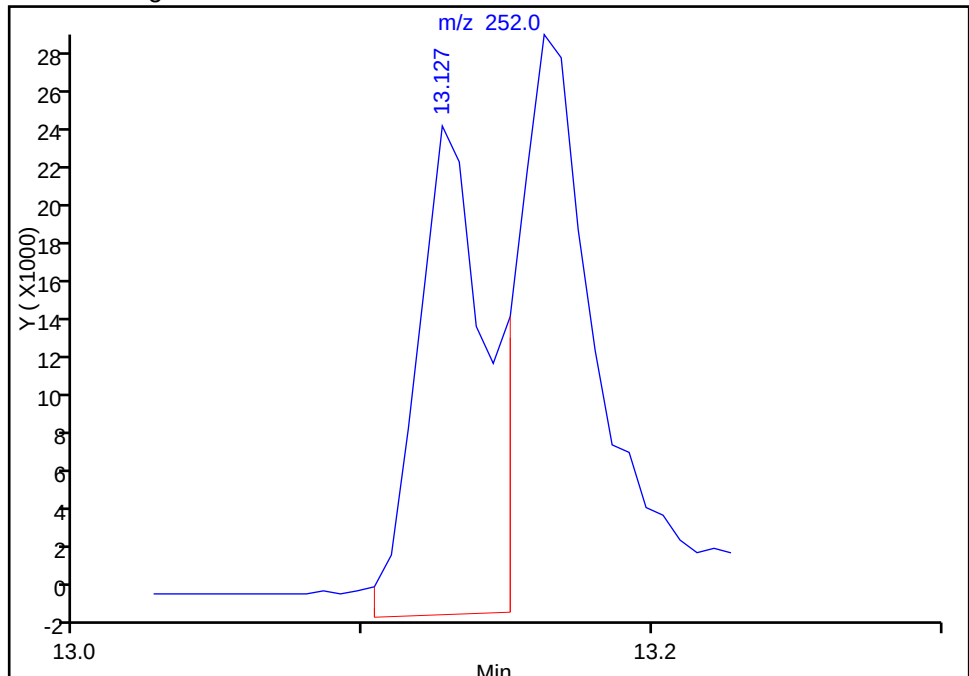
RT: 13.13
Response: 34774
Amount: 0.701614

Processing Integration Results



RT: 13.13
Response: 43102
Amount: 0.889790

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:36:07
Audit Action: Manually Integrated
Audit Reason: Baseline

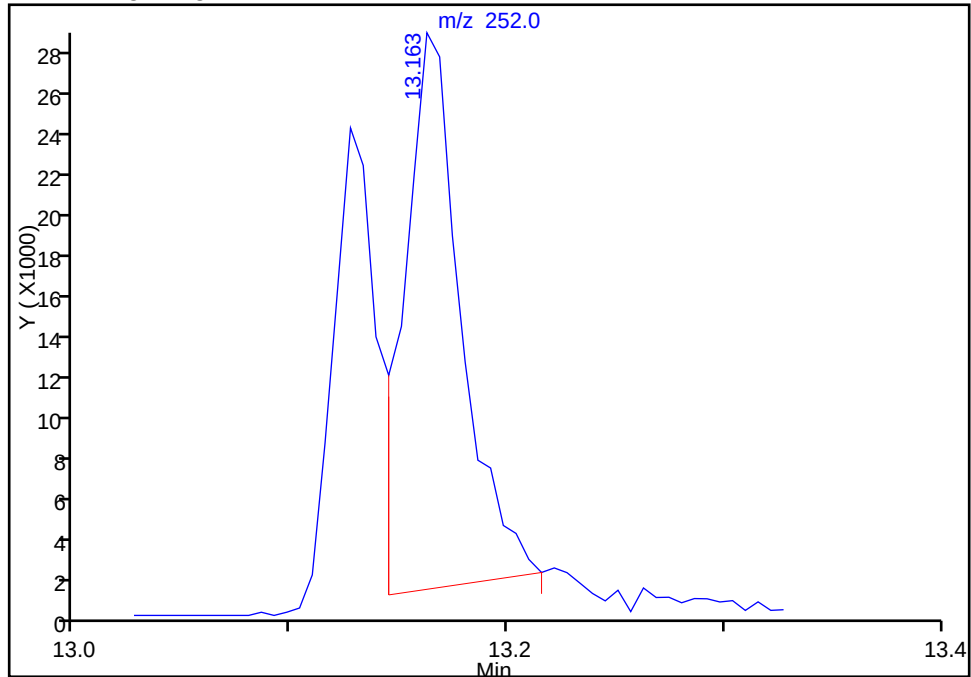
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1103.D
Injection Date: 07-Oct-2014 21:46:30 Instrument ID: CBNAMS14
Lims ID: STD1
Client ID:
Operator ID: BL ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

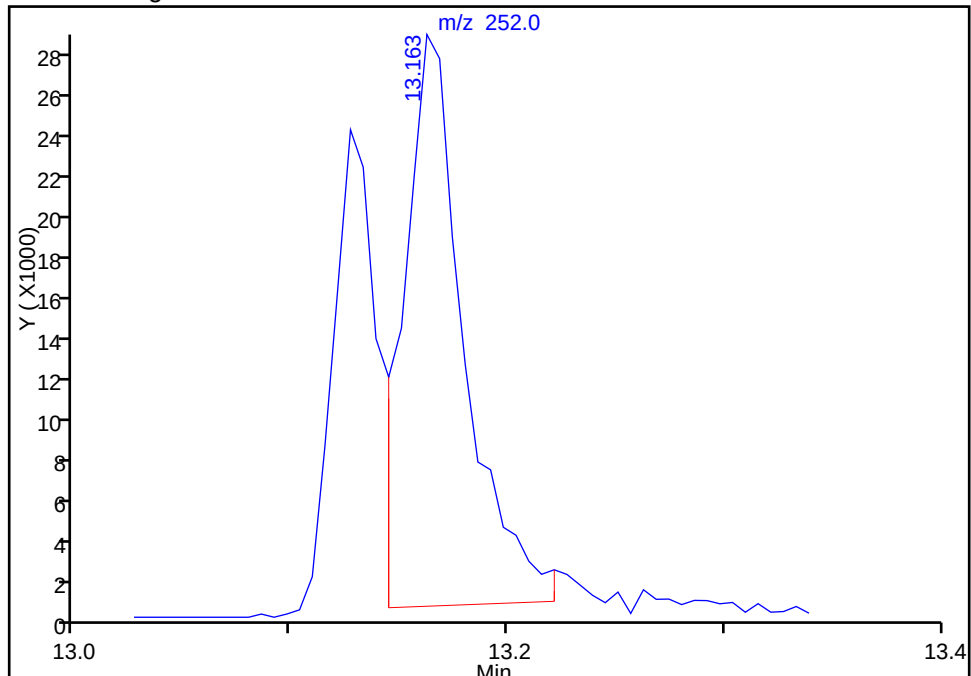
RT: 13.16
Response: 50314
Amount: 0.894975

Processing Integration Results



RT: 13.16
Response: 55195
Amount: 0.908494

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 22:42:27
Audit Action: Manually Integrated
Audit Reason: Baseline

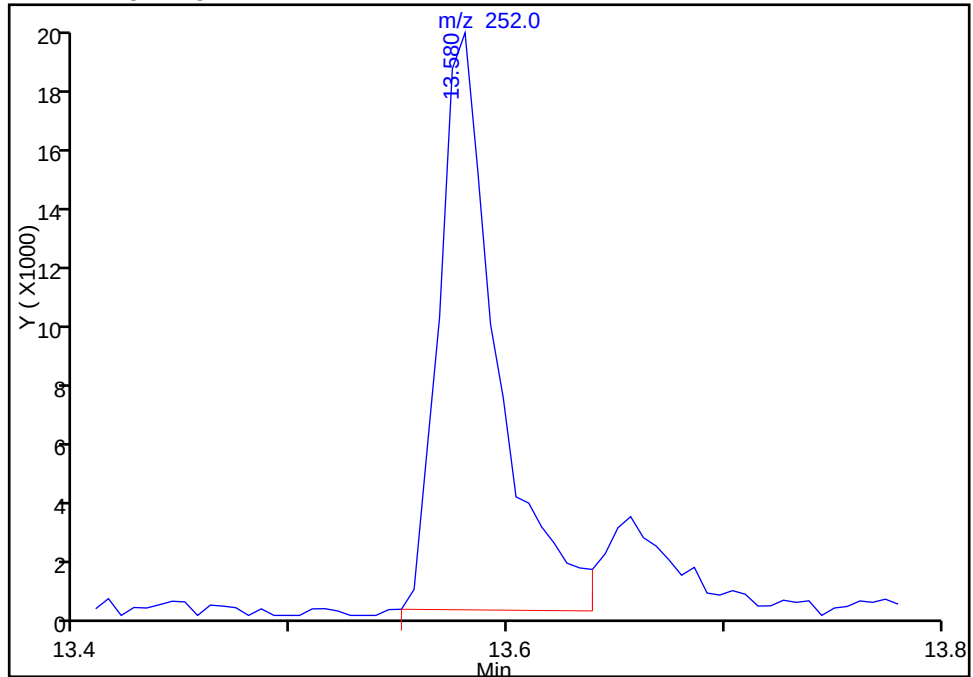
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1103.D		
Injection Date:	07-Oct-2014 21:46:30	Instrument ID:	CBNAMS14
Lims ID:	STD1		
Client ID:			
Operator ID:	BL	ALS Bottle#:	7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	7

108 Benzo[a]pyrene, CAS: 50-32-8

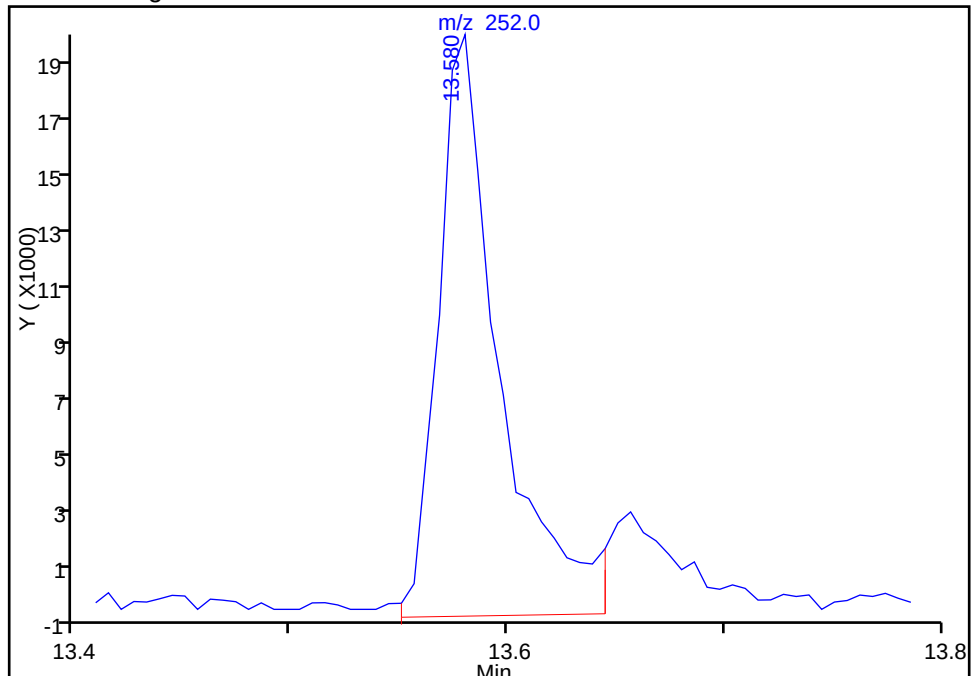
RT: 13.58
Response: 36615
Amount: 0.718441

Processing Integration Results



RT: 13.58
Response: 39673
Amount: 0.818407

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:36:07
Audit Action: Manually Integrated
Audit Reason: Baseline

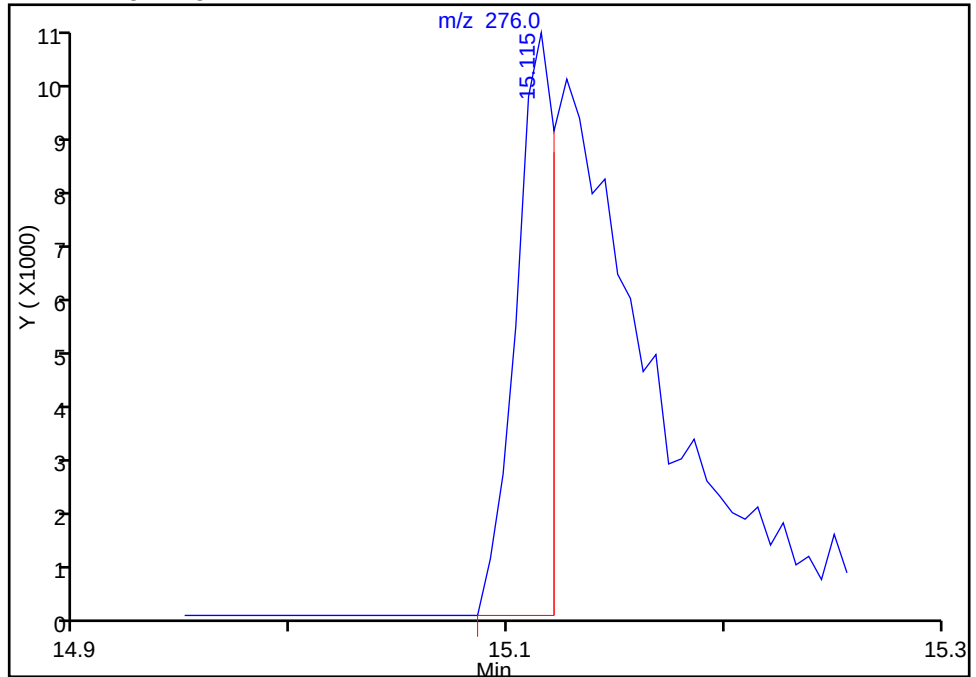
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1103.D		
Injection Date:	07-Oct-2014 21:46:30	Instrument ID:	CBNAMS14
Lims ID:	STD1		
Client ID:			
Operator ID:	BL	ALS Bottle#:	7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	7

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

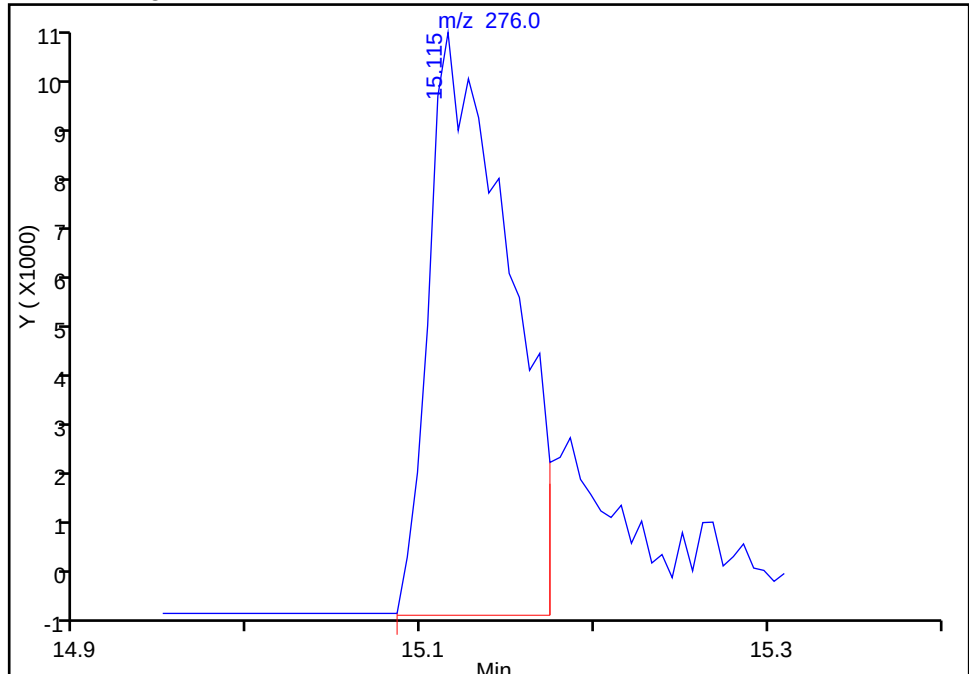
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Response: 12802
Amount: 0.248979

Processing Integration Results



RT: 15.12
Response: 32778
Amount: 0.734595

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 22:42:27
Audit Action: Manually Integrated
Audit Reason: Baseline

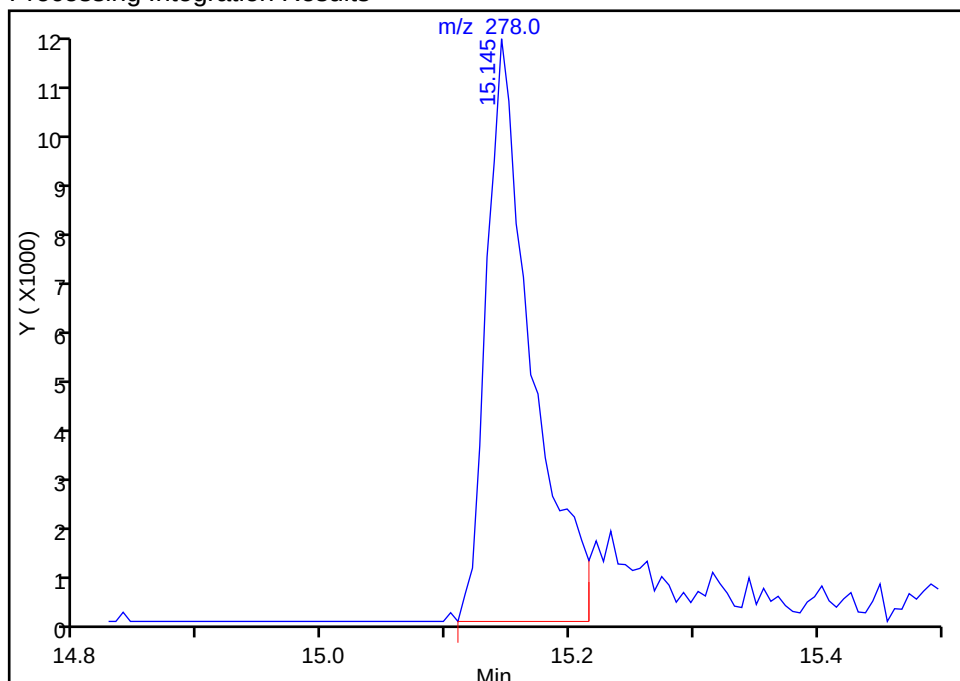
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1103.D
Injection Date: 07-Oct-2014 21:46:30 Instrument ID: CBNAMS14
Lims ID: STD1
Client ID:
Operator ID: BL ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

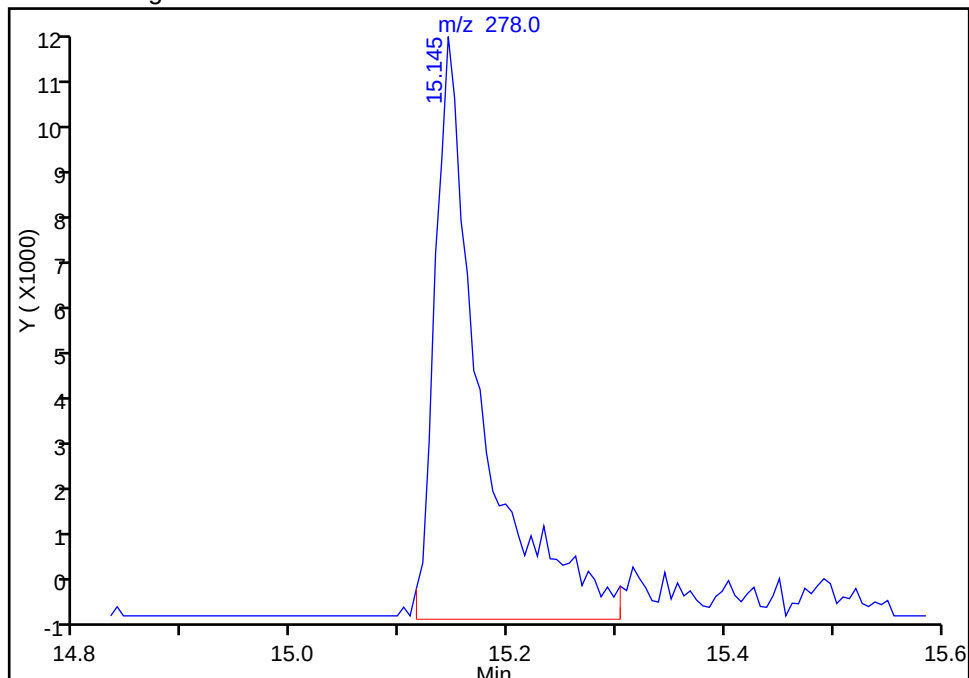
RT: 15.14
Response: 30227
Amount: 0.578525

Processing Integration Results



RT: 15.14
Response: 36260
Amount: 0.819974

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:57:50
Audit Action: Manually Integrated
Audit Reason: Baseline

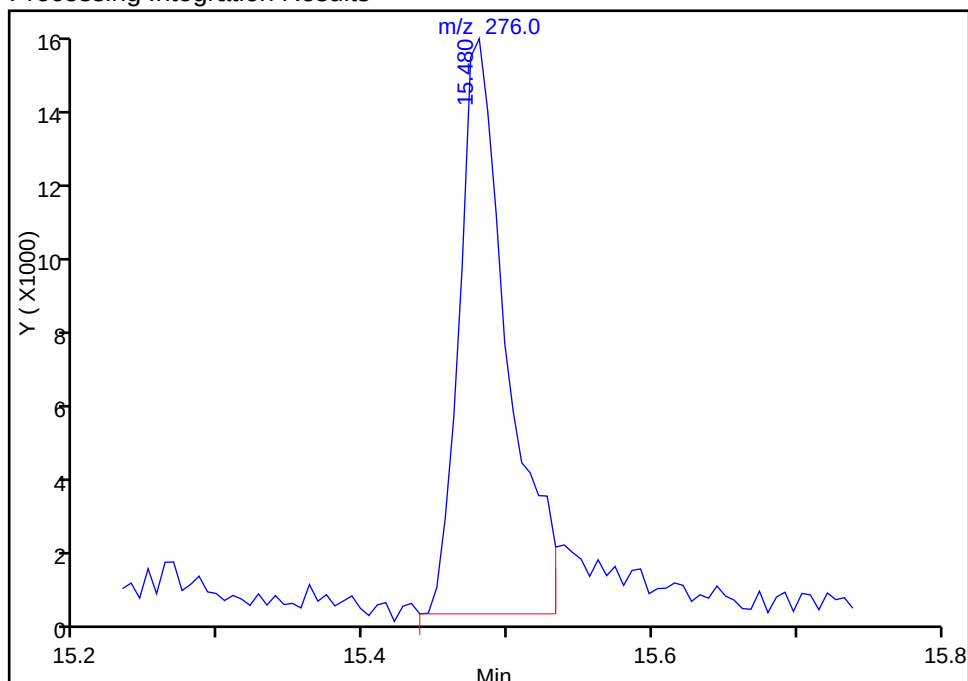
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1103.D
Injection Date: 07-Oct-2014 21:46:30 Instrument ID: CBNAMS14
Lims ID: STD1
Client ID:
Operator ID: BL ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

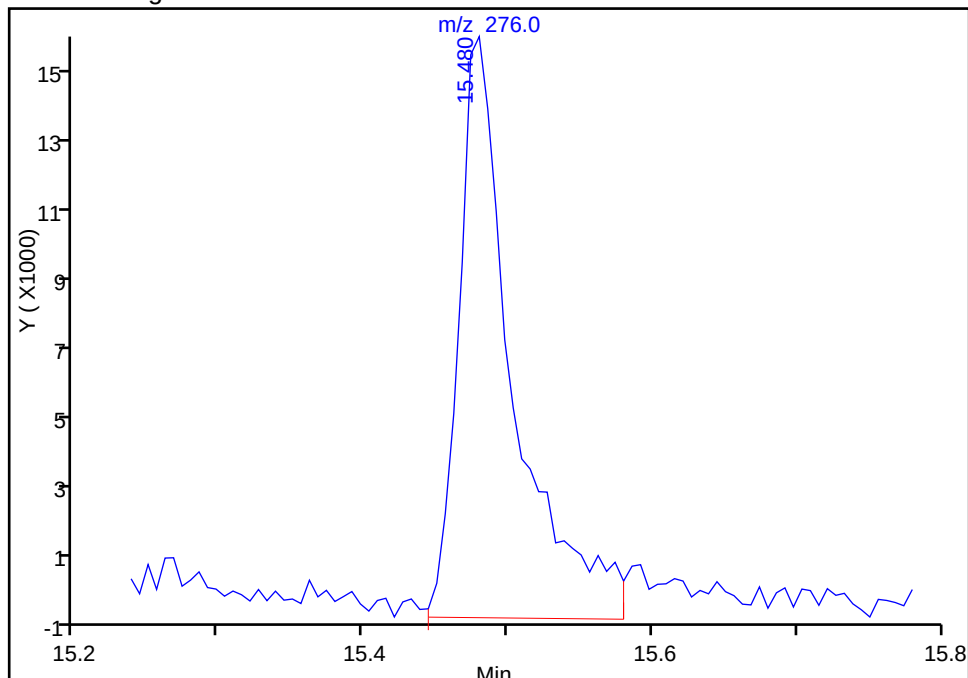
RT: 15.48
Response: 35861
Amount: 1.002372

Processing Integration Results



RT: 15.48
Response: 41574
Amount: 0.740032

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 22:42:27
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1104.D
 Lims ID: STD02
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 07-Oct-2014 22:12:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0019042-008
 Operator ID: BL Instrument ID: CBNAMS14
 Sublist: chrom-8270LVI_14*sub1
 Method: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\8270LVI_14.m
 Limit Group: SV 625 ICAL
 Last Update: 08-Oct-2014 11:44:17 Calib Date: 08-Oct-2014 01:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1111.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: bayoumiw

Date: 07-Oct-2014 22:44:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	4.140	4.151	-0.011	88	23857	0.2000	0.1976	
* 14 1,4-Dichlorobenzene-d4	152	4.416	4.422	-0.006	97	699392	8.00	8.00	
25 N-Nitrosodi-n-propylamine	70	4.810	4.828	-0.018	82	16189	0.2000	0.2126	
26 Hexachloroethane	117	4.928	4.928	0.000	93	9345	0.2000	0.1814	
\$ 27 Nitrobenzene-d5	82	4.963	4.975	-0.012	91	24850	0.2000	0.1962	
28 Nitrobenzene	77	4.981	4.993	-0.011	89	33150	0.2000	0.1942	
29 n,n'-Dimethylaniline	120	4.987	4.998	-0.011	91	31815	0.2000	0.2037	
37 1,2,4-Trichlorobenzene	180	5.634	5.640	-0.006	94	18795	0.2000	0.1881	
* 38 Naphthalene-d8	136	5.693	5.698	-0.006	100	2284304	8.00	8.00	
41 Hexachlorobutadiene	225	5.845	5.851	-0.006	93	12387	0.2000	0.1852	
\$ 51 2-Fluorobiphenyl	172	6.775	6.781	-0.006	98	38758	0.2000	0.1957	
61 2,6-Dinitrotoluene	165	7.228	7.239	-0.011	84	4825	0.2000	0.1613	
* 64 Acenaphthene-d10	164	7.451	7.451	0.000	94	964414	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.628	7.639	-0.011	61	4799	0.2000	0.1362	
82 Hexachlorobenzene	284	8.539	8.545	-0.006	93	8517	0.2000	0.1823	
* 87 Phenanthrene-d10	188	8.916	8.916	0.000	99	1230748	8.00	8.00	
\$ 96 Terphenyl-d14	244	10.498	10.498	0.000	97	15287	0.2000	0.1984	
101 Benzo[a]anthracene	228	11.698	11.704	-0.006	47	13354	0.2000	0.1823	
* 102 Chrysene-d12	240	11.710	11.716	-0.006	99	538669	8.00	8.00	
106 Benzo[b]fluoranthene	252	13.121	13.133	-0.012	98	6570	0.2000	0.1562	M
107 Benzo[k]fluoranthene	252	13.168	13.168	0.000	90	8864	0.2000	0.1680	M
108 Benzo[a]pyrene	252	13.574	13.586	-0.012	96	6807	0.2000	0.1617	M
* 109 Perylene-d12	264	13.657	13.663	-0.006	99	343235	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	15.110	15.127	-0.017	75	5517	0.2000	0.1424	M
111 Dibenz(a,h)anthracene	278	15.145	15.157	-0.012	90	4441	0.2000	0.1156	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL2_00011

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1104.D

Injection Date: 07-Oct-2014 22:12:30

Instrument ID: CBNAMS14

Operator ID: BL

Lims ID: STD02

Worklist Smp#: 8

Client ID:

Injection Vol: 5.0 ul

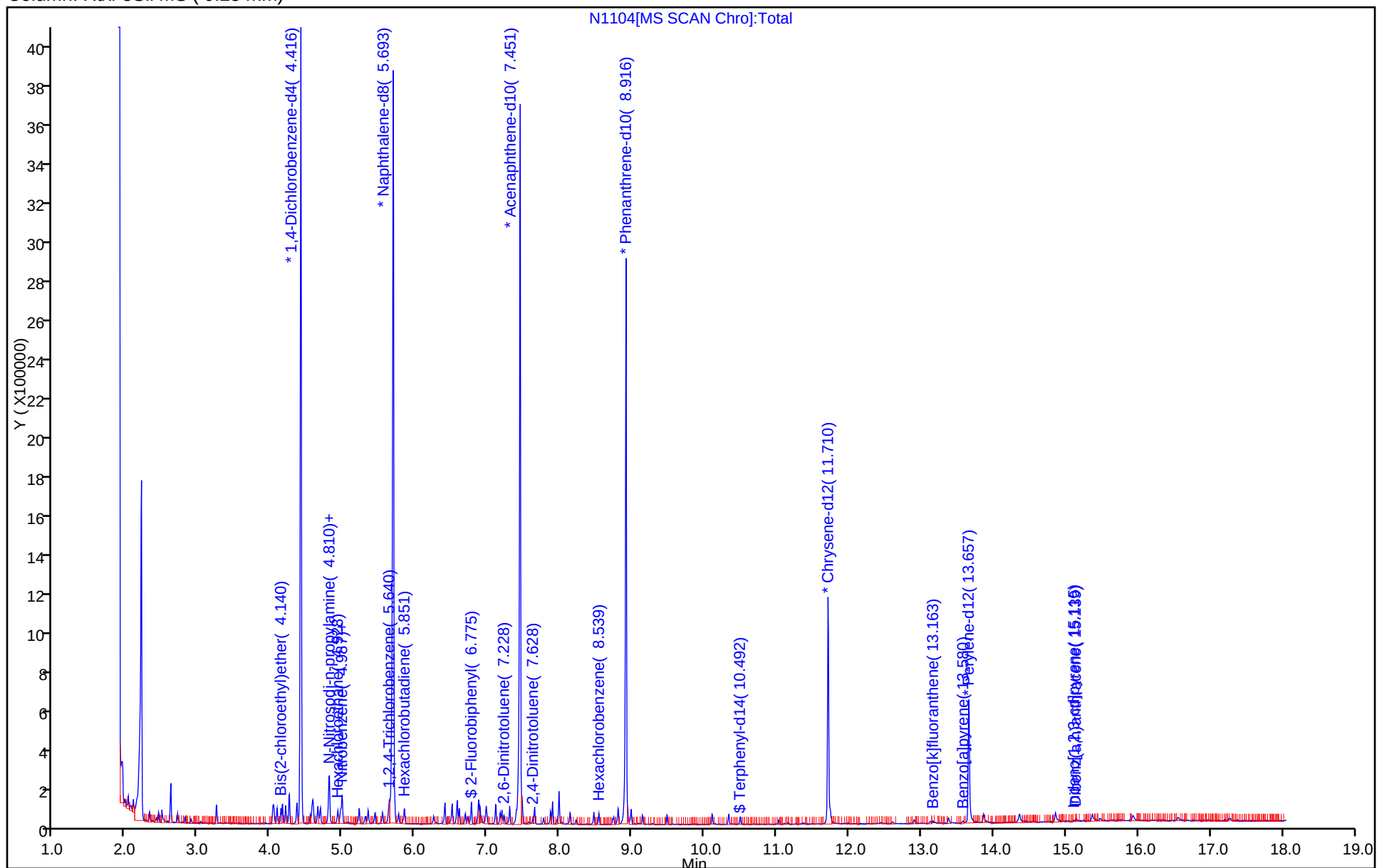
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270LVI_14

Limit Group: SV 625 ICAL

Column: Rtxi-5Sil MS (0.25 mm)



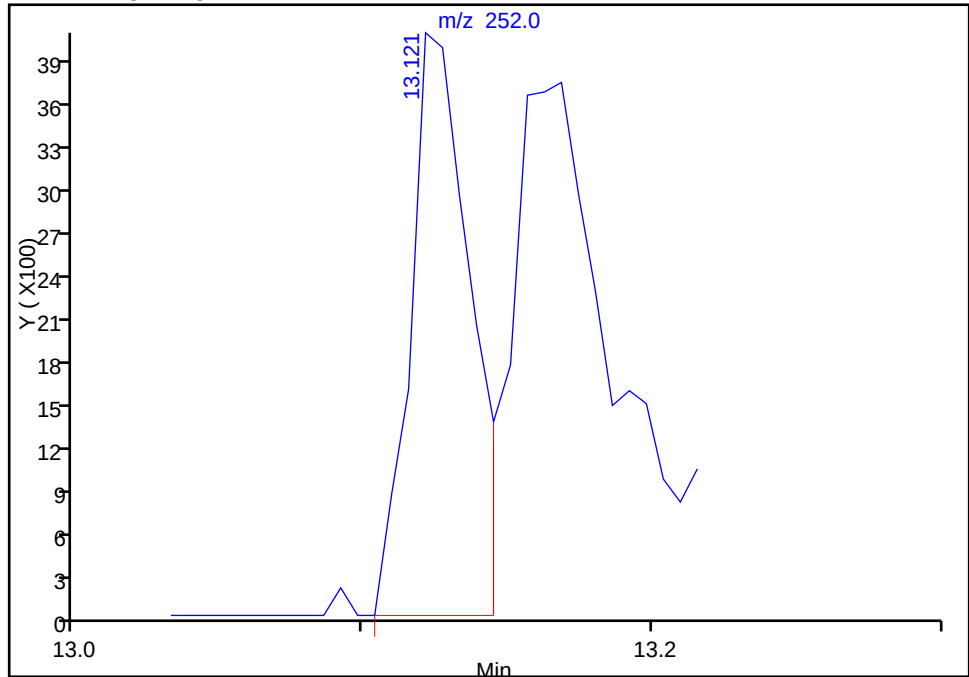
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1104.D		
Injection Date:	07-Oct-2014 22:12:30	Instrument ID:	CBNAMS14
Lims ID:	STD02		
Client ID:			
Operator ID:	BL	ALS Bottle#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
Worklist Smp#:	8		

106 Benzo[b]fluoranthene, CAS: 205-99-2

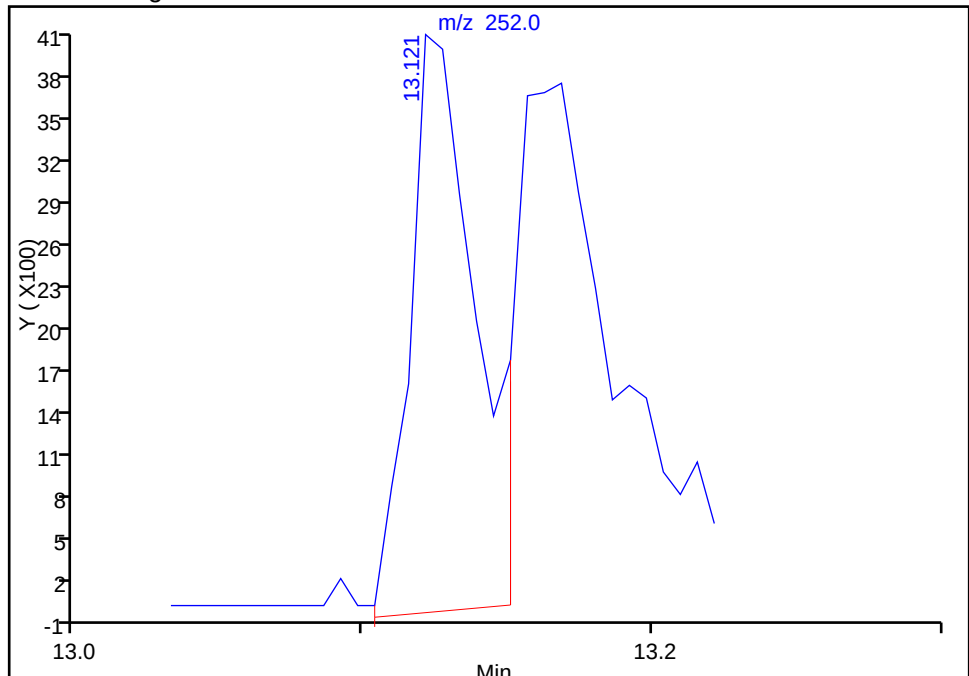
RT: 13.12
Response: 5837
Amount: 0.195528

Processing Integration Results



RT: 13.12
Response: 6570
Amount: 0.156159

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:11:43
Audit Action: Manually Integrated
Audit Reason: Baseline

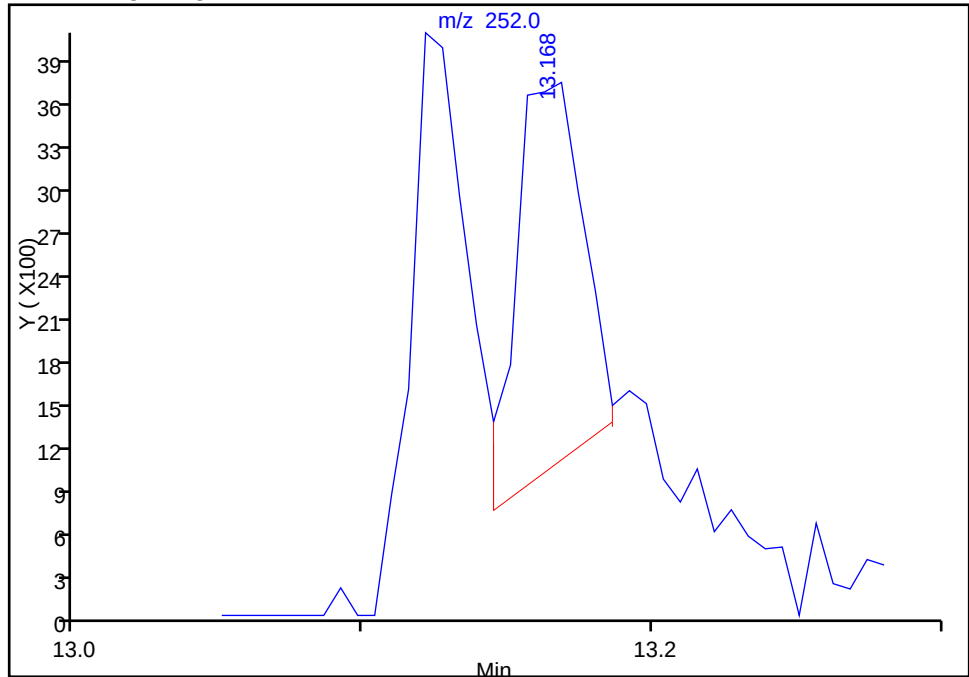
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1104.D
Injection Date: 07-Oct-2014 22:12:30 Instrument ID: CBNAMS14
Lims ID: STD02
Client ID:
Operator ID: BL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

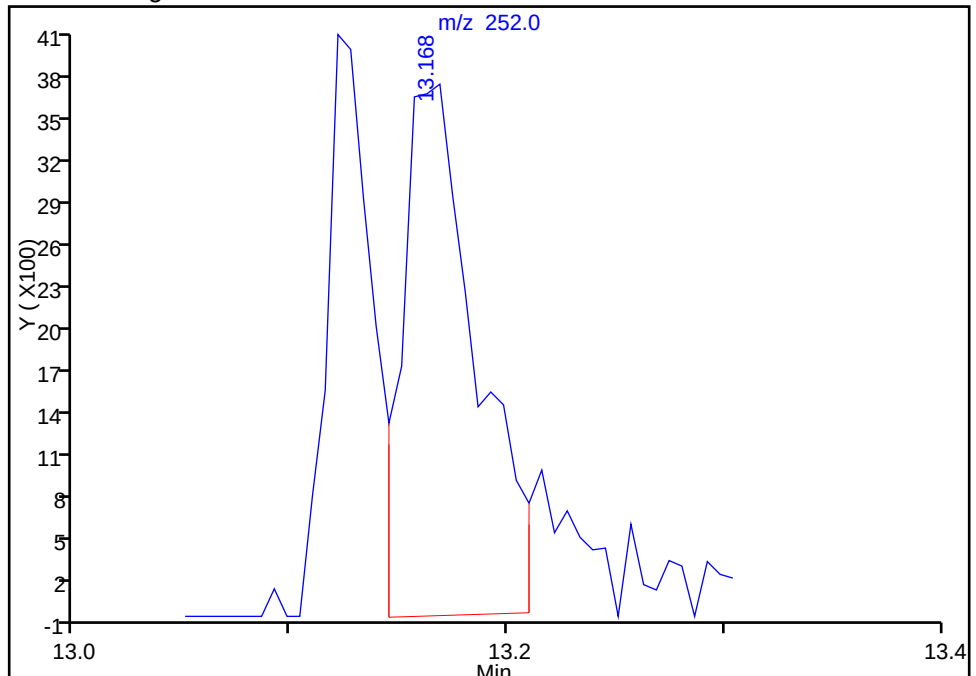
RT: 13.17
Response: 4333
Amount: 0.202195

Processing Integration Results



RT: 13.17
Response: 8864
Amount: 0.167982

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 22:44:09
Audit Action: Manually Integrated
Audit Reason: Baseline

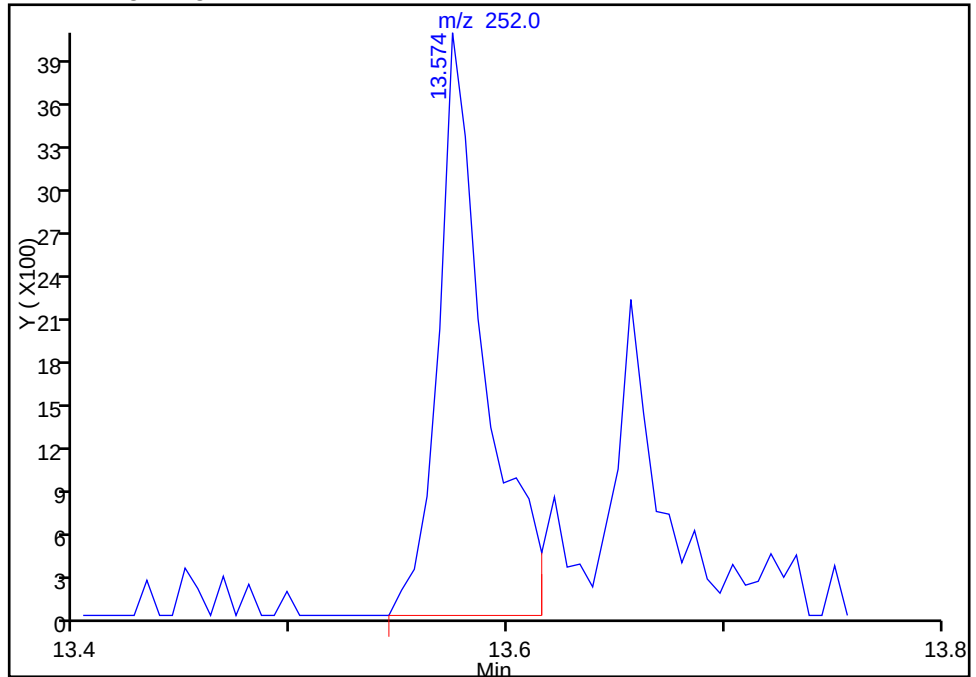
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1104.D
Injection Date: 07-Oct-2014 22:12:30 Instrument ID: CBNAMS14
Lims ID: STD02
Client ID:
Operator ID: BL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

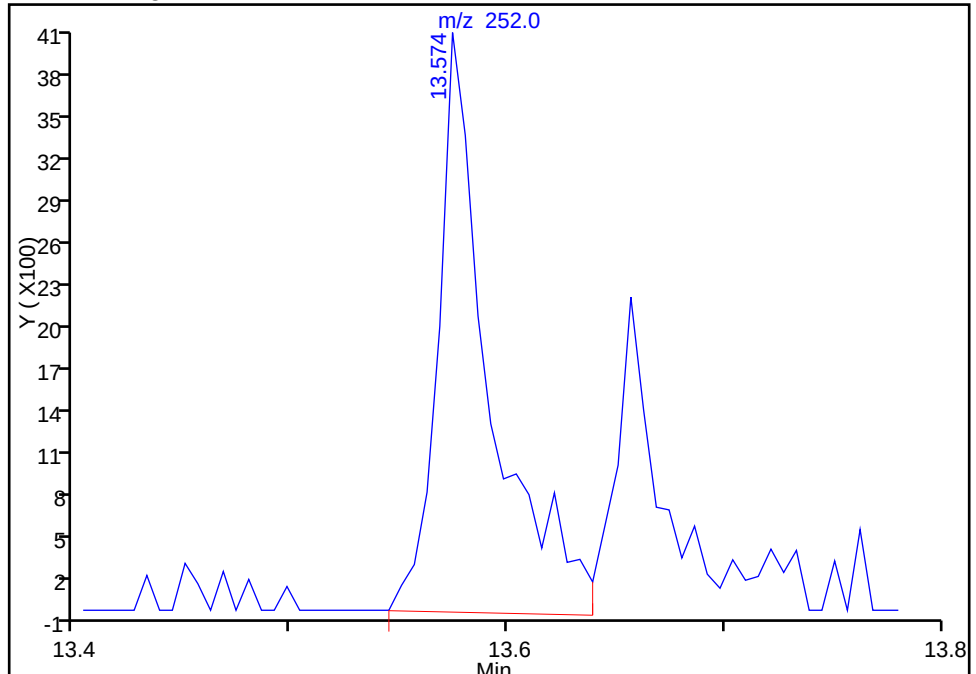
RT: 13.57
Response: 6087
Amount: 0.256733

Processing Integration Results



RT: 13.57
Response: 6807
Amount: 0.161674

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 22:44:09
Audit Action: Manually Integrated
Audit Reason: Baseline

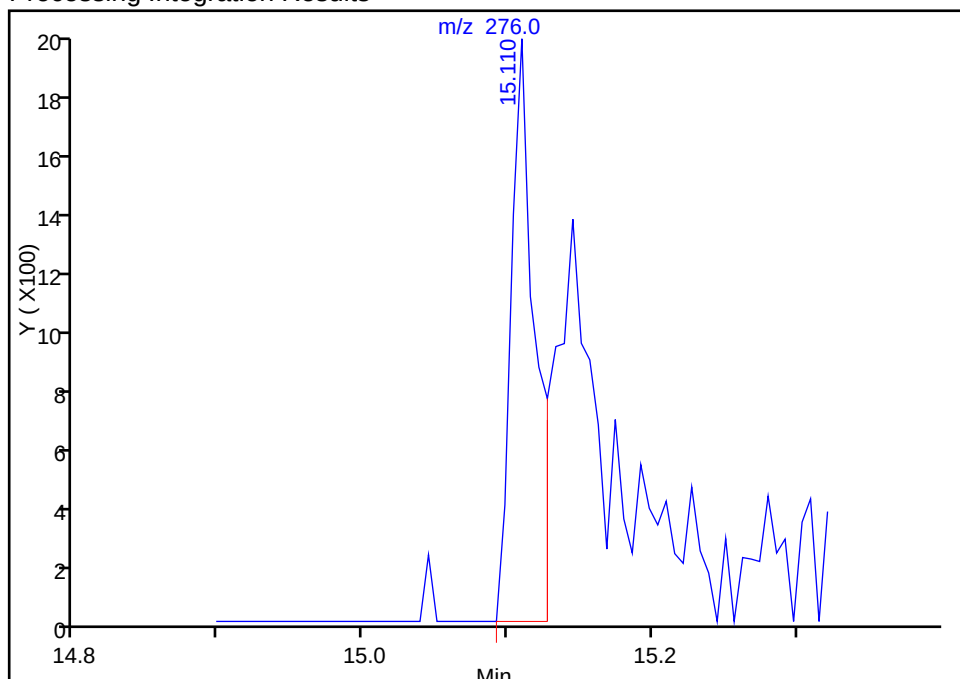
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1104.D
Injection Date: 07-Oct-2014 22:12:30 Instrument ID: CBNAMS14
Lims ID: STD02
Client ID:
Operator ID: BL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

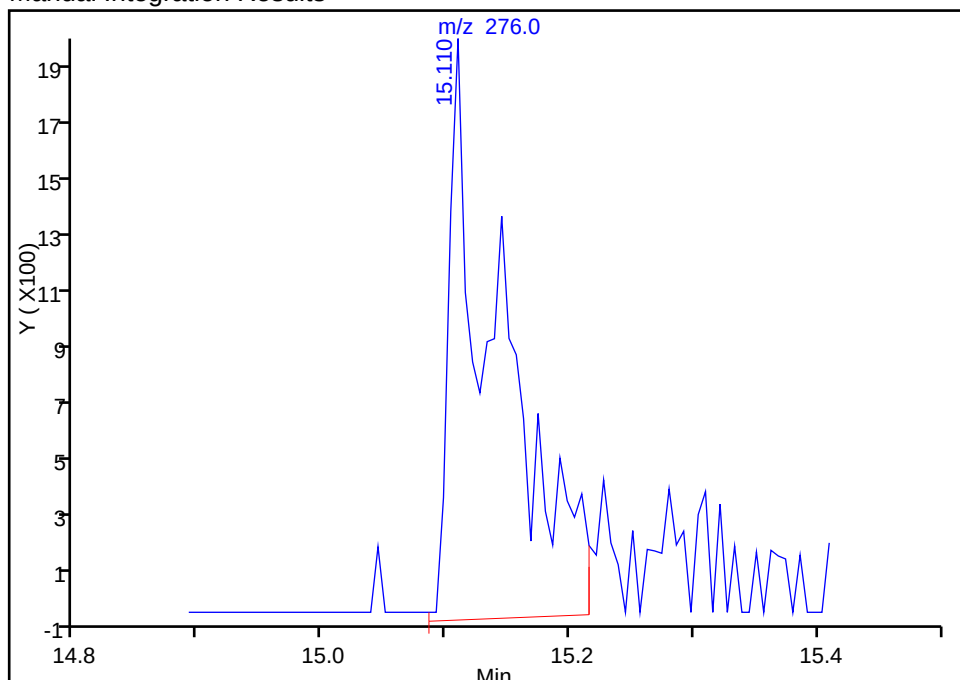
RT: 15.11
Response: 2225
Amount: 0.049643

Processing Integration Results



RT: 15.11
Response: 5517
Amount: 0.142357

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:43:13
Audit Action: Manually Integrated
Audit Reason: Baseline

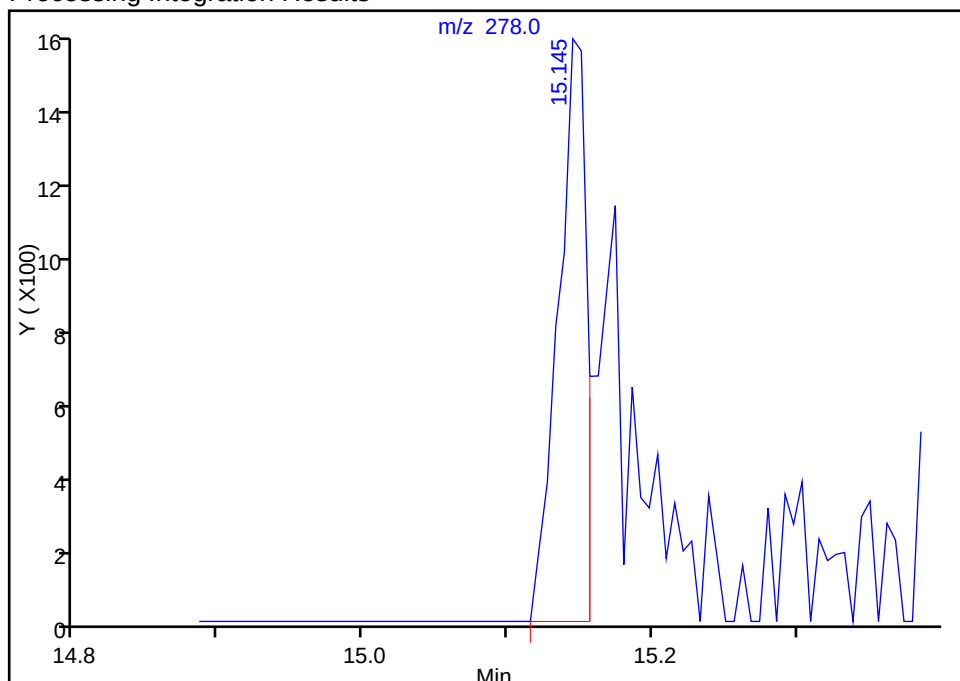
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1104.D
Injection Date: 07-Oct-2014 22:12:30 Instrument ID: CBNAMS14
Lims ID: STD02
Client ID:
Operator ID: BL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

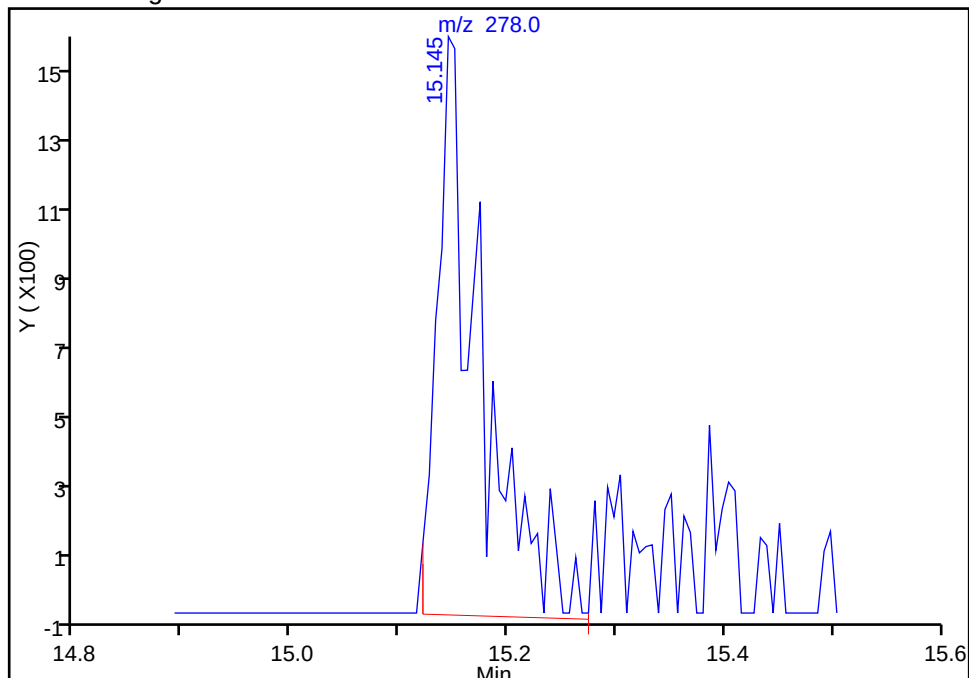
RT: 15.14
Response: 2177
Amount: 0.048176

Processing Integration Results



RT: 15.14
Response: 4441
Amount: 0.115628

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:54:45
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1105.D
 Lims ID: STD01
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 07-Oct-2014 22:38:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0019042-009
 Operator ID: BL Instrument ID: CBNAMS14
 Sublist: chrom-8270LVI_14*sub1
 Method: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\8270LVI_14.m
 Limit Group: SV 625 ICAL
 Last Update: 08-Oct-2014 11:44:20 Calib Date: 08-Oct-2014 01:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1111.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: bayoumiw

Date: 07-Oct-2014 23:00:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	4.140	4.151	-0.011	92	12219	0.1000	0.1188	
* 14 1,4-Dichlorobenzene-d4	152	4.416	4.422	-0.006	98	595657	8.00	8.00	
25 N-Nitrosodi-n-propylamine	70	4.810	4.828	-0.018	82	6811	0.1000	0.1050	
26 Hexachloroethane	117	4.922	4.928	-0.006	91	4840	0.1000	0.1103	
\$ 27 Nitrobenzene-d5	82	4.963	4.975	-0.012	88	11125	0.1000	0.1023	
28 Nitrobenzene	77	4.987	4.993	-0.005	86	14122	0.1000	0.0963	
29 n,n'-Dimethylaniline	120	4.987	4.998	-0.011	75	13493	0.1000	0.1014	
37 1,2,4-Trichlorobenzene	180	5.634	5.640	-0.006	92	9275	0.1000	0.1081	
* 38 Naphthalene-d8	136	5.692	5.698	-0.006	100	1961829	8.00	8.00	
\$ 51 2-Fluorobiphenyl	172	6.775	6.781	-0.006	96	18465	0.1000	0.1044	
* 64 Acenaphthene-d10	164	7.451	7.451	0.000	95	861207	8.00	8.00	
82 Hexachlorobenzene	284	8.539	8.545	-0.006	93	4465	0.1000	0.0992	
* 87 Phenanthrene-d10	188	8.916	8.916	0.000	99	1186592	8.00	8.00	
\$ 96 Terphenyl-d14	244	10.498	10.498	0.000	97	7541	0.1000	0.0998	
101 Benzo[a]anthracene	228	11.704	11.704	0.000	46	7846	0.1000	0.1092	
* 102 Chrysene-d12	240	11.710	11.716	-0.006	99	528394	8.00	8.00	M
106 Benzo[b]fluoranthene	252	13.127	13.133	-0.006	41	3018	0.1000	0.0725	M
107 Benzo[k]fluoranthene	252	13.168	13.168	0.000	25	4659	0.1000	0.0893	M
108 Benzo[a]pyrene	252	13.574	13.586	-0.012	66	3039	0.1000	0.0730	M
* 109 Perylene-d12	264	13.663	13.663	0.000	99	339475	8.00	8.00	M
110 Indeno[1,2,3-cd]pyrene	276	15.109	15.127	-0.018	1	2583	0.1000	0.0674	M
111 Dibenz(a,h)anthracene	278	15.151	15.157	-0.006	1	2124	0.1000	0.0559	M

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_BNAL1_00010

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1105.D

Injection Date: 07-Oct-2014 22:38:30

Instrument ID: CBNAMS14

Operator ID: BL

Lims ID: STD01

Worklist Smp#: 9

Client ID:

Injection Vol: 5.0 ul

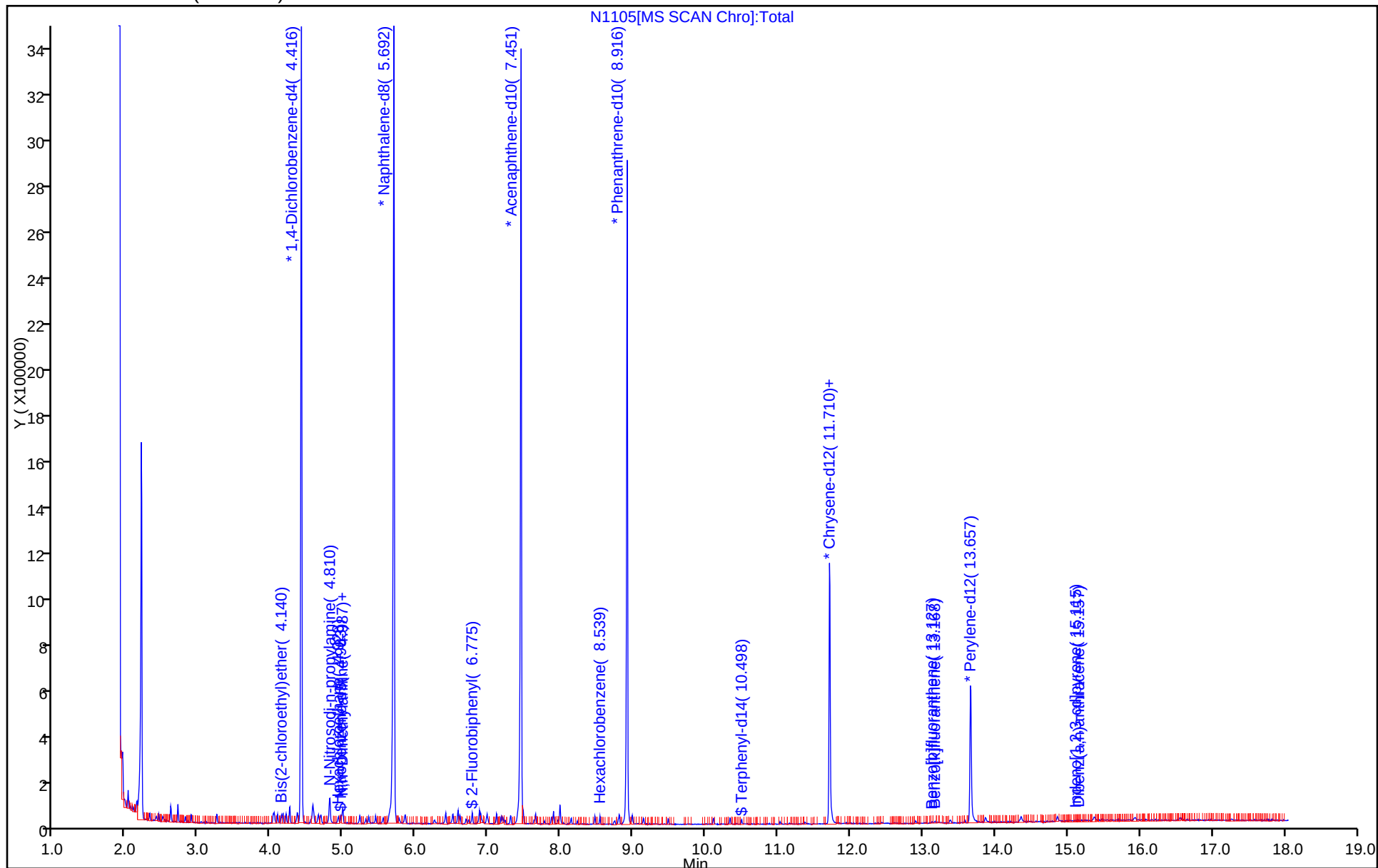
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270LVI_14

Limit Group: SV 625 ICAL

Column: Rtxi-5Sil MS (0.25 mm)



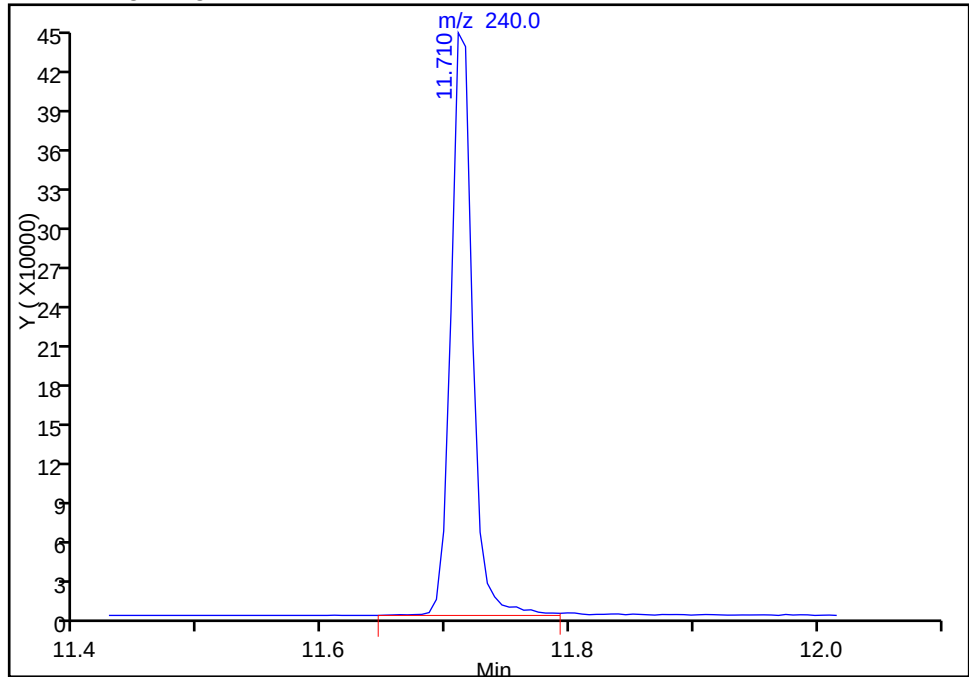
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1105.D
Injection Date: 07-Oct-2014 22:38:30 Instrument ID: CBNAMS14
Lims ID: STD01
Client ID:
Operator ID: BL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

*** 102 Chrysene-d12, CAS: 1719-03-5**

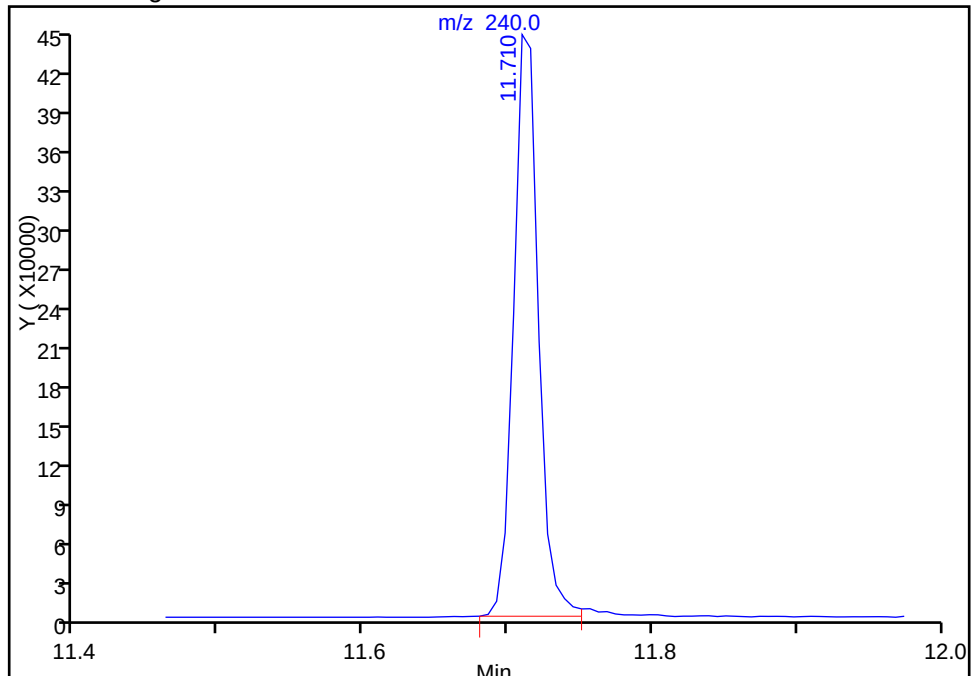
RT: 11.71
Response: 540610
Amount: 8.000000

Processing Integration Results



RT: 11.71
Response: 528394
Amount: 8.000000

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:25:50
Audit Action: Manually Integrated
Audit Reason: Baseline

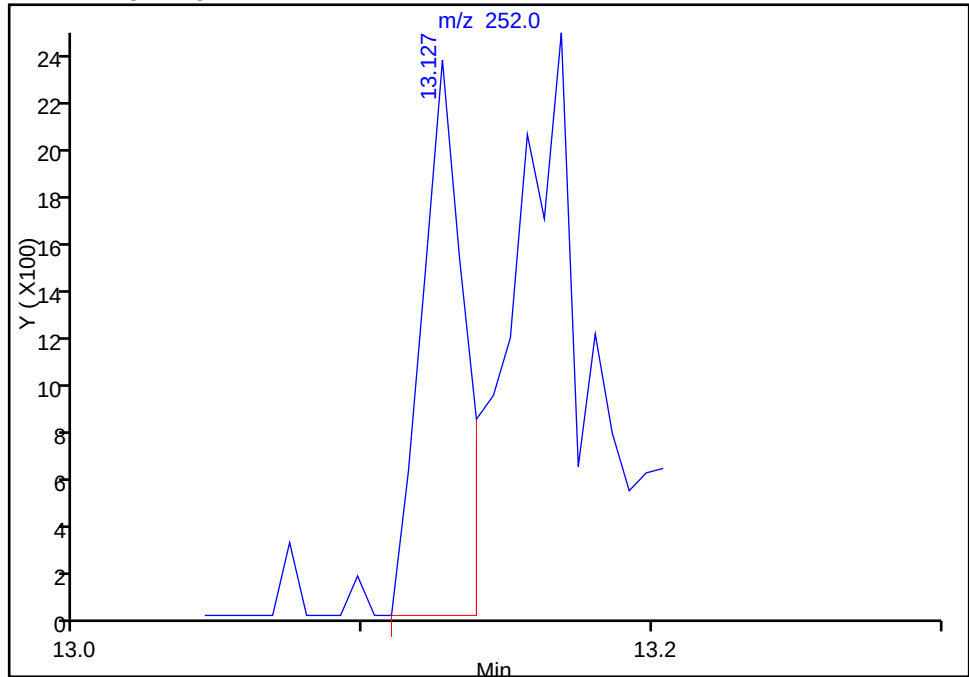
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1105.D		
Injection Date:	07-Oct-2014 22:38:30	Instrument ID:	CBNAMS14
Lims ID:	STD01		
Client ID:			
Operator ID:	BL	ALS Bottle#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
		Worklist Smp#:	9

106 Benzo[b]fluoranthene, CAS: 205-99-2

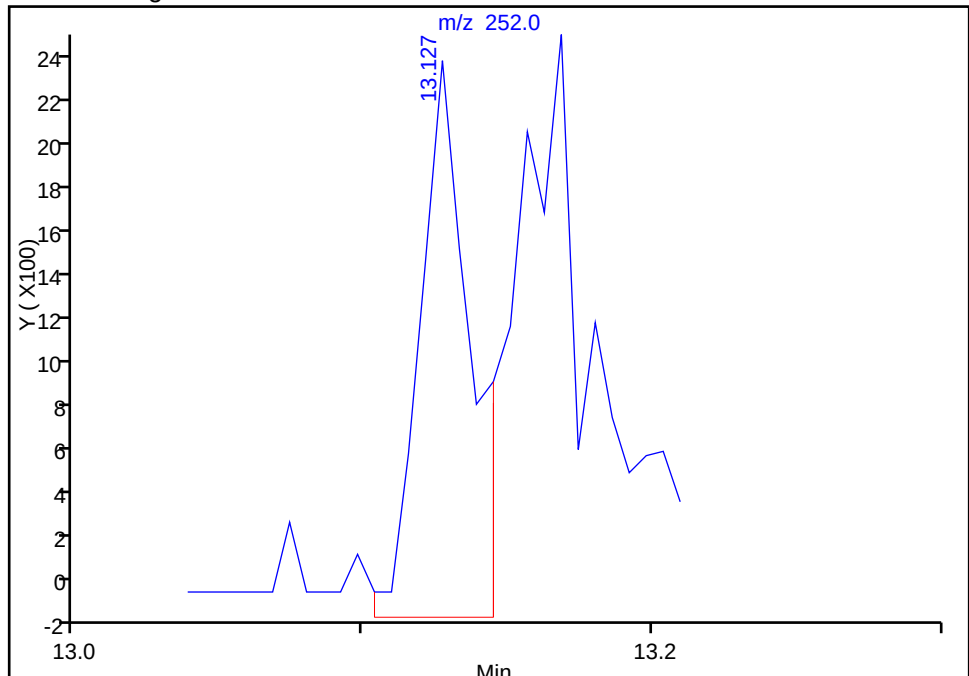
RT: 13.13
Response: 2377
Amount: 0.135589

Processing Integration Results



RT: 13.13
Response: 3018
Amount: 0.072528

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:12:07
Audit Action: Manually Integrated
Audit Reason: Baseline

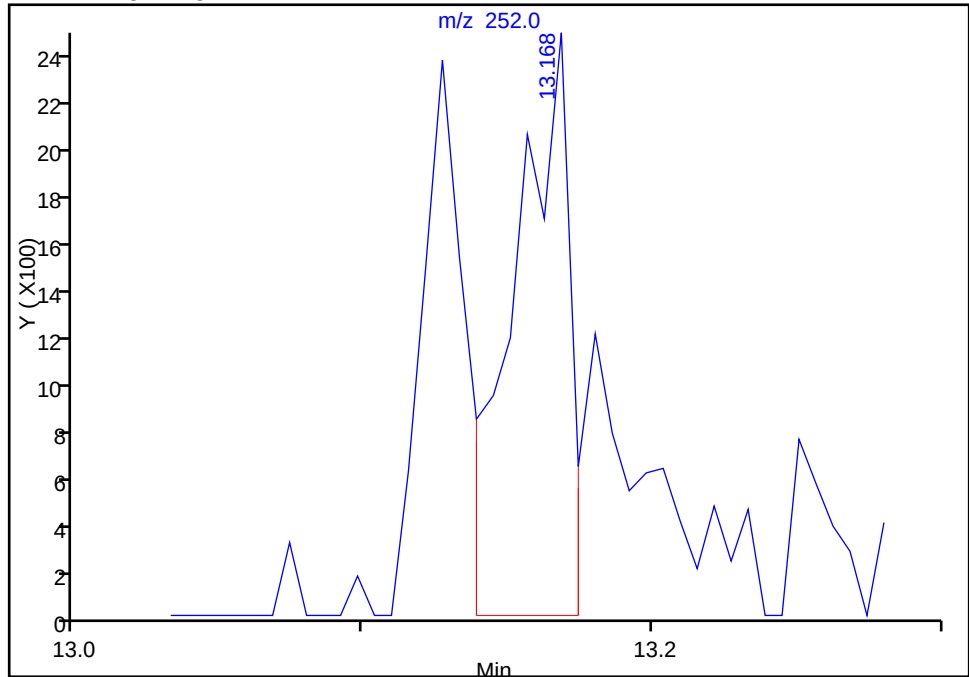
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1105.D		
Injection Date:	07-Oct-2014 22:38:30	Instrument ID:	CBNAMS14
Lims ID:	STD01		
Client ID:			
Operator ID:	BL	ALS Bottle#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
Worklist Smp#:	9		

107 Benzo[k]fluoranthene, CAS: 207-08-9

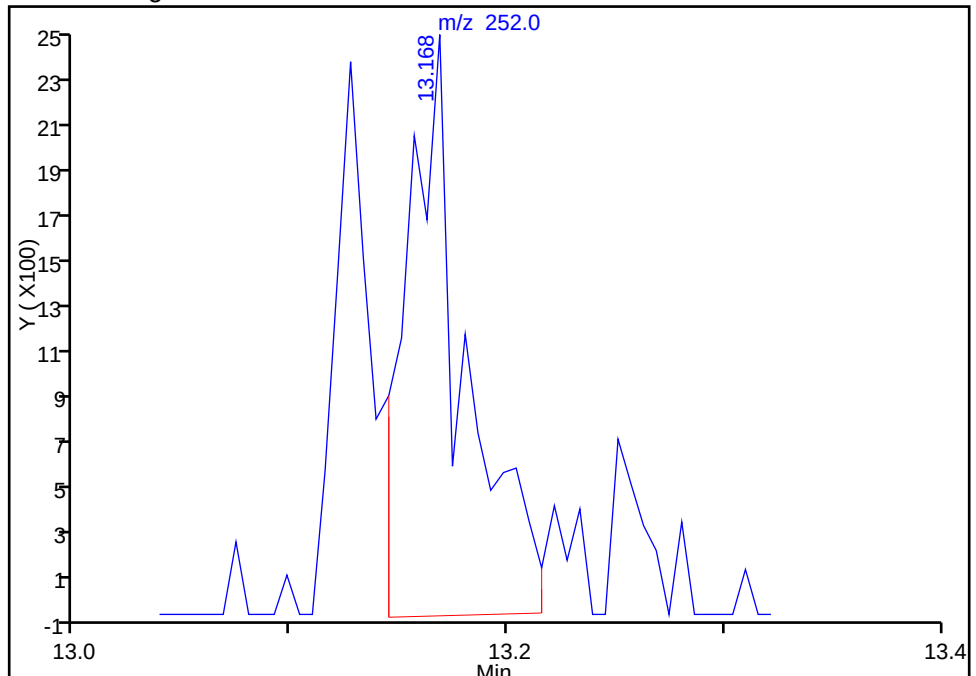
RT: 13.17
Response: 3421
Amount: 0.101476

Processing Integration Results



RT: 13.17
Response: 4659
Amount: 0.089271

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:00:40
Audit Action: Manually Integrated
Audit Reason: Baseline

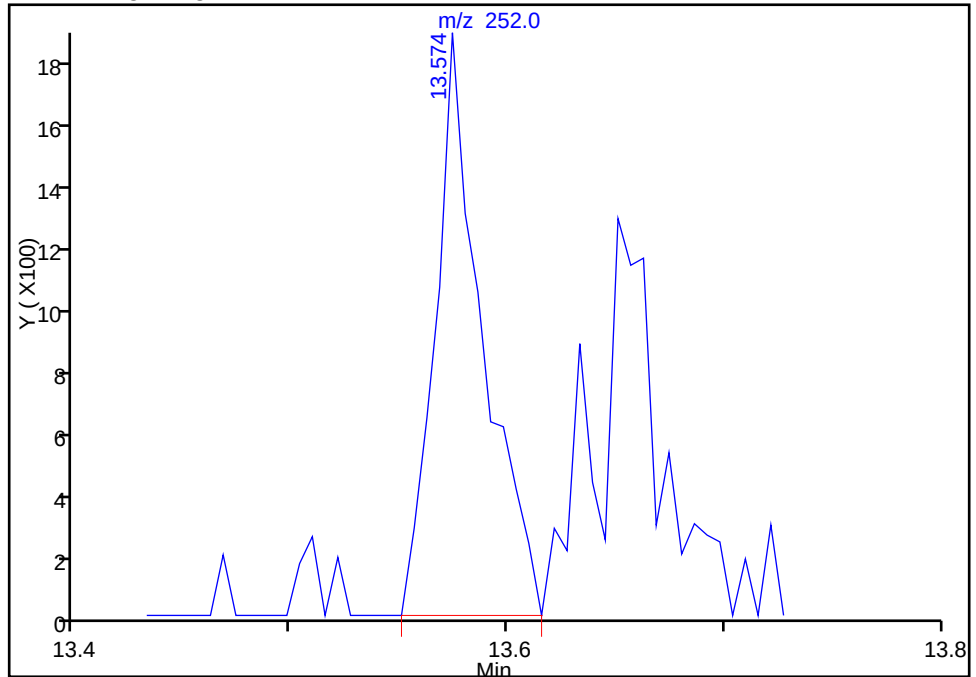
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1105.D		
Injection Date:	07-Oct-2014 22:38:30	Instrument ID:	CBNAMS14
Lims ID:	STD01		
Client ID:			
Operator ID:	BL	ALS Bottle#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
Worklist Smp#:	9		

108 Benzo[a]pyrene, CAS: 50-32-8

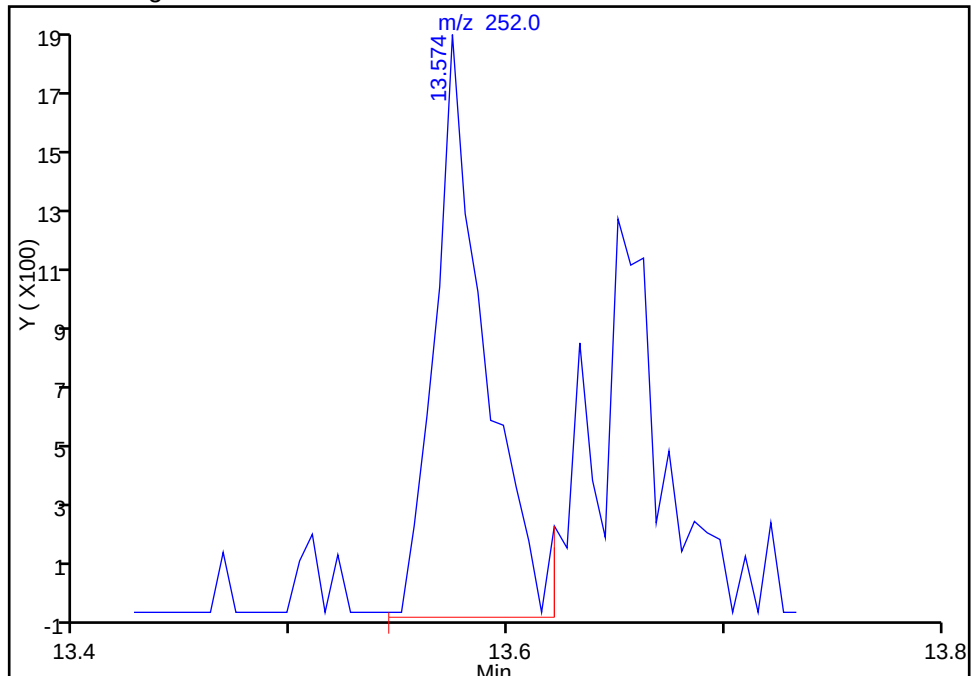
RT: 13.57
Response: 2860
Amount: 0.131535

Processing Integration Results



RT: 13.57
Response: 3039
Amount: 0.072979

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:16:35
Audit Action: Manually Integrated
Audit Reason: Baseline

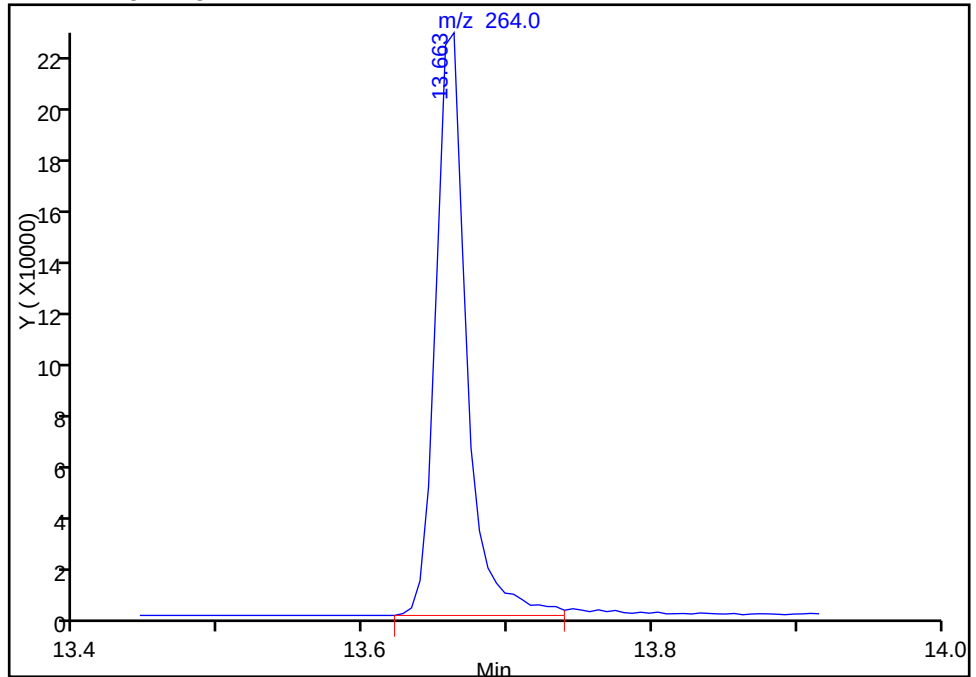
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1105.D
Injection Date: 07-Oct-2014 22:38:30 Instrument ID: CBNAMS14
Lims ID: STD01
Client ID:
Operator ID: BL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

*** 109 Perylene-d12, CAS: 1520-96-3**

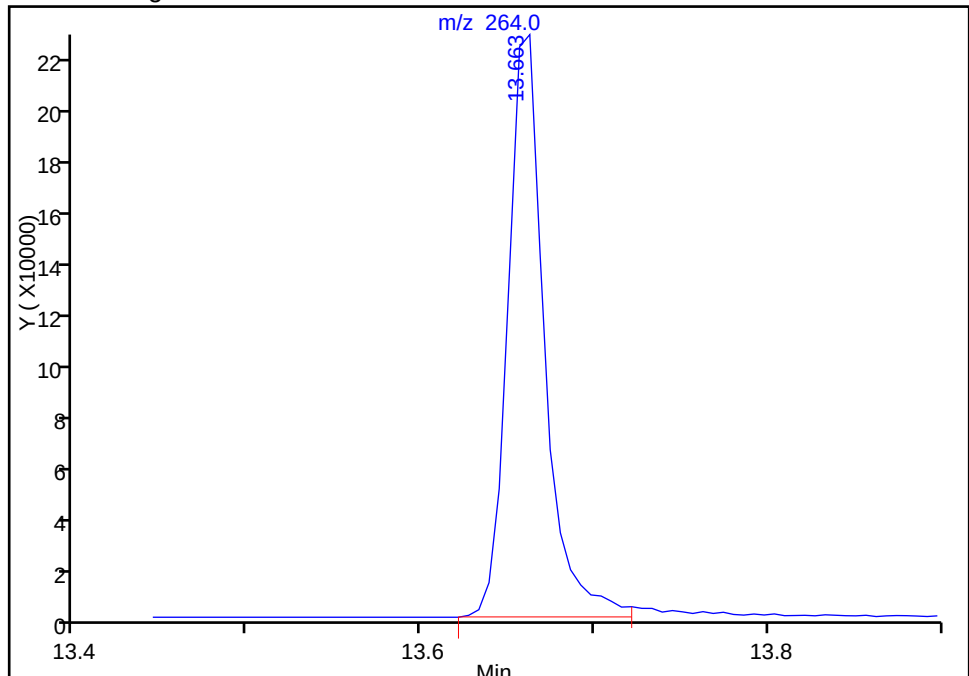
RT: 13.66
Response: 343483
Amount: 8.000000

Processing Integration Results



RT: 13.66
Response: 339475
Amount: 8.000000

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:16:35
Audit Action: Manually Integrated
Audit Reason: Baseline

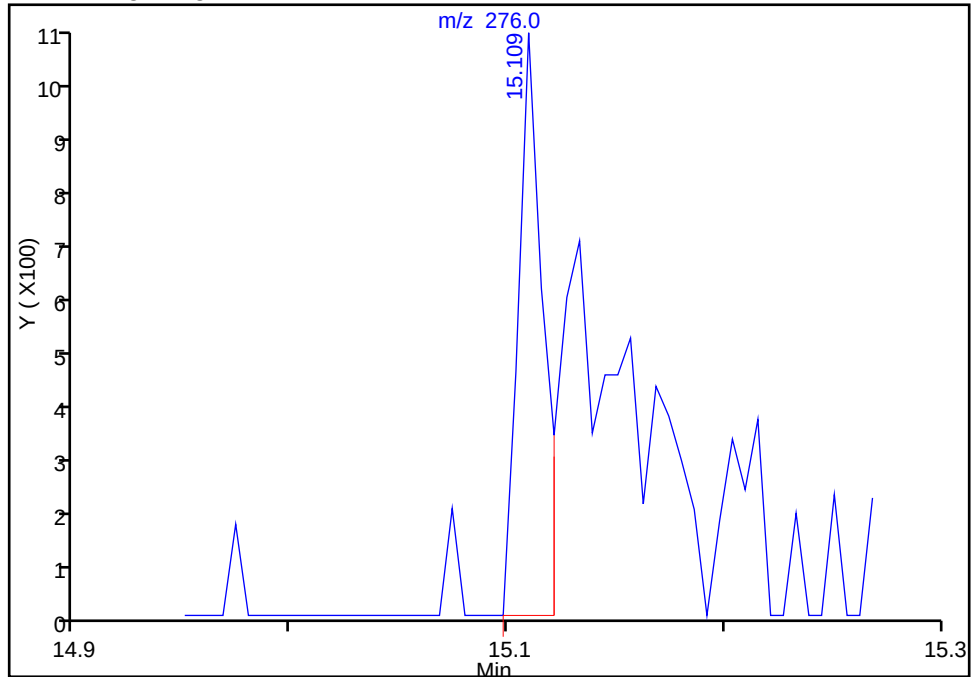
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1105.D
Injection Date: 07-Oct-2014 22:38:30 Instrument ID: CBNAMS14
Lims ID: STD01
Client ID:
Operator ID: BL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

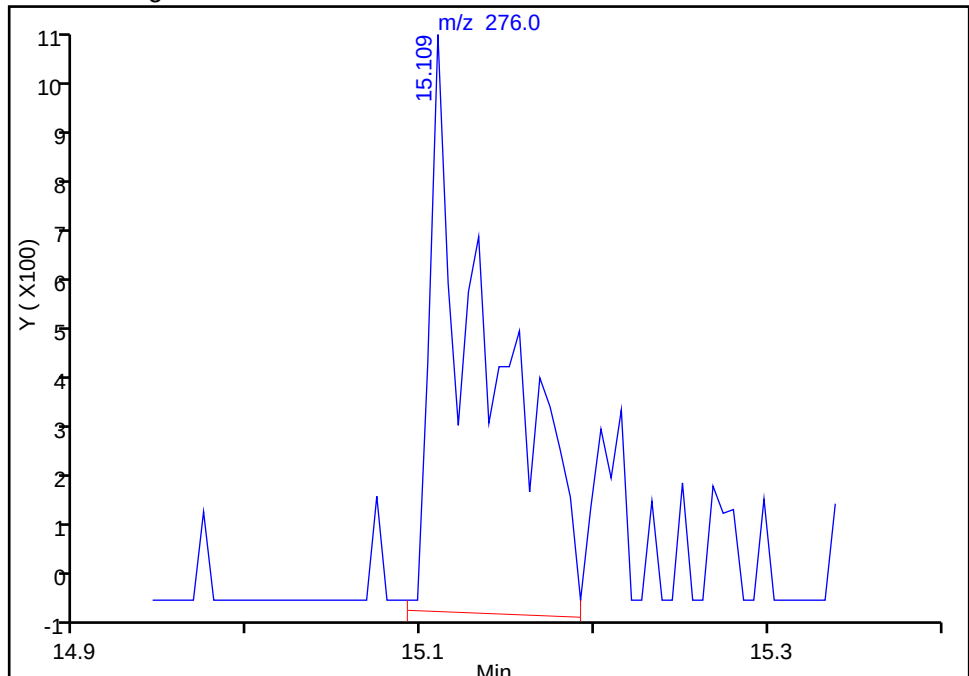
Processing Integration Results

RT: 15.11
Response: 856
Amount: 0.019089



Manual Integration Results

RT: 15.11
Response: 2583
Amount: 0.067388



Reviewer: bayoumiw, 07-Oct-2014 23:39:01
Audit Action: Manually Integrated
Audit Reason: Baseline

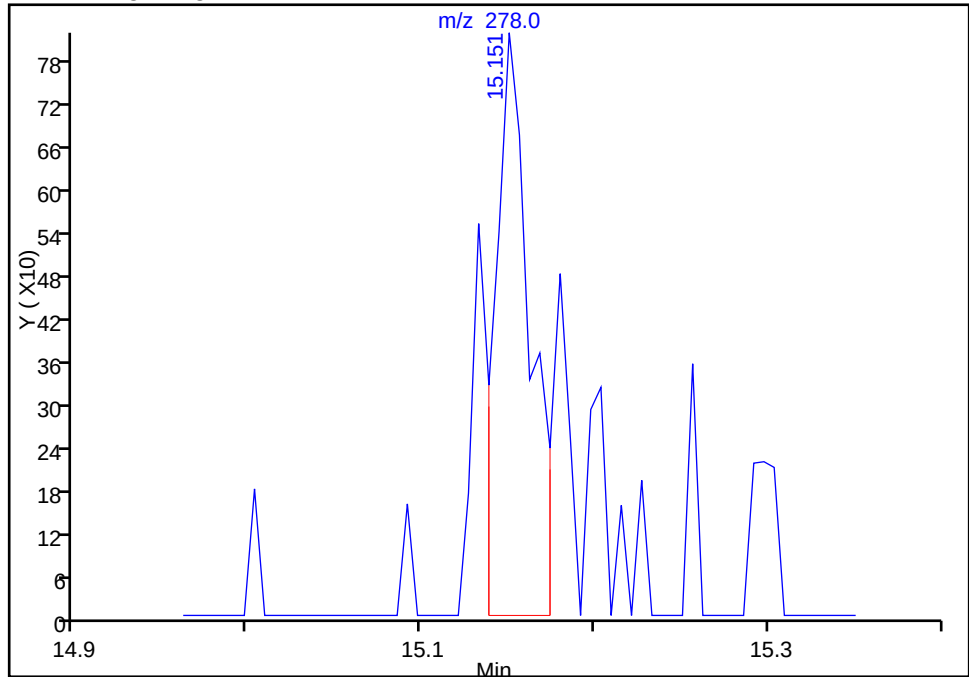
TestAmerica Edison

Data File:	\\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1105.D		
Injection Date:	07-Oct-2014 22:38:30	Instrument ID:	CBNAMS14
Lims ID:	STD01		
Client ID:			
Operator ID:	BL	ALS Bottle#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_14	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector:	MS SCAN
Worklist Smp#:	9		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

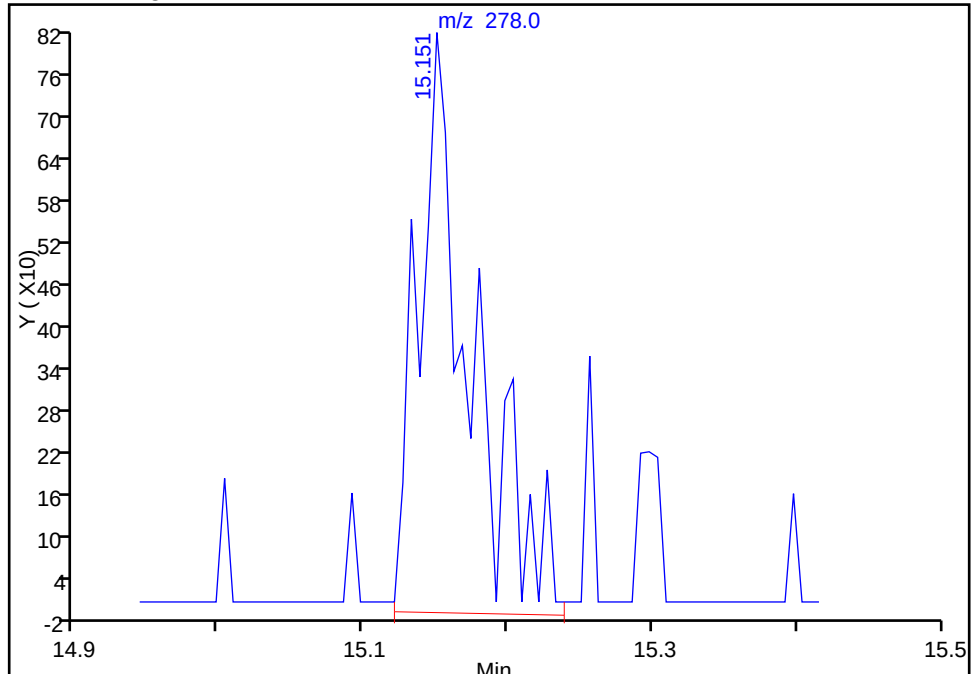
RT: 15.15
Response: 1157
Amount: 0.025591

Processing Integration Results



RT: 15.15
Response: 2124
Amount: 0.055914

Manual Integration Results



Reviewer: bayoumiw, 07-Oct-2014 23:47:02
Audit Action: Manually Integrated
Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09651.D
 Lims ID: DFTPP
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 04-Oct-2014 20:49:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018923-001
 Misc. Info.: DFTPP bna 5047
 Operator ID: Instrument ID: CBNAMS13
 Method: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 10:07:20 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09665.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: zhaoc

Date: 04-Oct-2014 21:02:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
80 Pentachlorophenol_T	266	5.498	5.498	0.000	93	45996	NR	NR	7
89 Benzidine_T	184	7.298	7.298	0.000	99	258673	NR	NR	7
120 DFTPP									
114 4,4'-DDD	235	7.951	7.951	0.000	94	3226		NR	7
116 4,4'-DDT	235	8.269	8.269	0.000	98	139609	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

SMDFTP_CH_00007

Amount Added: 1.00

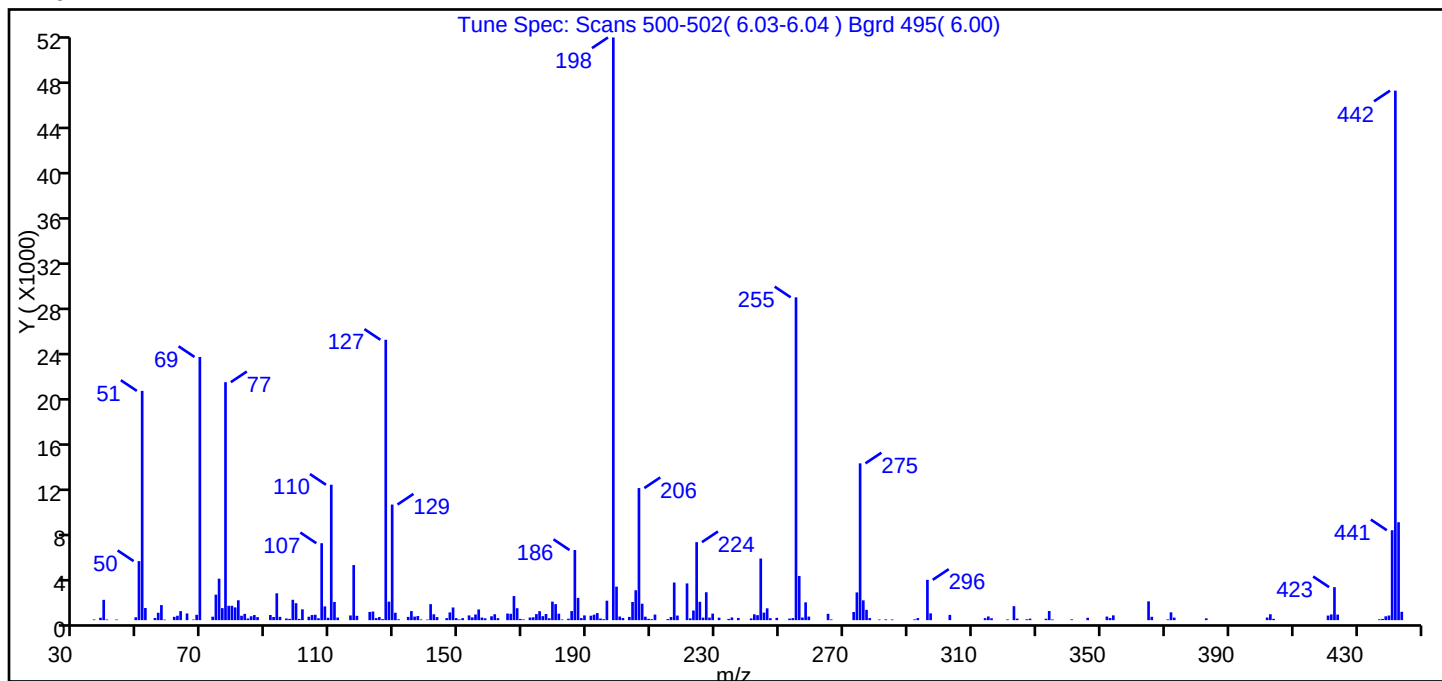
Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09651.D
Injection Date: 04-Oct-2014 20:49:30 Instrument ID: CBNAMS13
Lims ID: DFTPP
Client ID:
Operator ID:
Injection Vol: 5.0 ul
Method: 8270LVI_R13
Tune Method: DFTPP Method 625

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 625 ICAL

120 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.30
68	Less than 2.00% of mass 69	0.90 (2.00)
69	Present	45.20
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	48.10
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	5.70
275	10.00 - 30.00% of mass 198	26.90
365	Greater than 1.00% of mass 198	3.20
441	Present, but less than mass 443	15.40 (91.90)
442	Greater than 40.00% of mass 198	90.90
443	17.00 - 23.00% of mass 442	16.80 (18.50)

Data File: \\EDICHRON\ChromData\CBNAMS13\20141004-18923.b\C09651.D\8270LVI_R13.rslt\spectra.d
Injection Date: 04-Oct-2014 20:49:30
Spectrum: Tune Spec: Scans 500-502(6.03-6.04) Bgrd 495(6.00)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 219

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	60	116.00	413	185.00	800	259.00	312
38.00	210	117.00	4856	186.00	6181	265.00	558
39.00	1789	118.00	381	187.00	1960	266.00	62
40.00	56	122.00	723	188.00	179	273.00	719
43.00	55	123.00	760	189.00	418	274.00	2446
49.00	254	124.00	182	191.00	390	275.00	13820
50.00	5203	125.00	274	192.00	480	276.00	1744
51.00	20208	126.00	92	193.00	622	277.00	909
52.00	1069	127.00	24712	194.00	142	278.00	184
55.00	192	128.00	1631	195.00	85	281.00	51
56.00	653	129.00	10189	196.00	1713	283.00	67
57.00	1329	130.00	652	198.00	51360	285.00	61
58.00	50	131.00	75	199.00	2952	292.00	67
61.00	293	134.00	288	200.00	318	293.00	183
62.00	388	135.00	797	201.00	187	296.00	3554
63.00	799	136.00	313	203.00	285	297.00	598
65.00	589	137.00	361	204.00	1602	303.00	462
67.00	52	138.00	60	205.00	2635	314.00	173
68.00	471	140.00	53	206.00	11642	315.00	324
69.00	23200	141.00	1411	207.00	1449	316.00	166
73.00	303	142.00	517	208.00	306	321.00	62
74.00	2246	143.00	266	209.00	119	323.00	1232
75.00	3652	146.00	177	210.00	85	324.00	132
76.00	1058	147.00	682	211.00	492	327.00	75
77.00	20976	148.00	1118	215.00	96	328.00	131
78.00	1264	149.00	176	216.00	277	333.00	123
79.00	1265	150.00	59	217.00	3316	334.00	805
80.00	1122	151.00	178	218.00	405	335.00	61
81.00	1752	153.00	418	221.00	3237	341.00	68
82.00	389	154.00	245	222.00	159	346.00	207
83.00	554	155.00	499	223.00	849	352.00	314
84.00	150	156.00	941	224.00	6876	353.00	187
85.00	342	157.00	226	225.00	1619	354.00	423

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09651.D\8270LVI_R13.rslt\spectra.d

Injection Date: 04-Oct-2014 20:49:30

Spectrum: Tune Spec: Scans 500-502(6.03-6.04) Bgrd 495(6.00)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 219

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	448	158.00	164	226.00	221	365.00	1657
87.00	267	160.00	341	227.00	2460	366.00	294
91.00	453	161.00	520	228.00	227	371.00	64
92.00	277	162.00	173	229.00	578	372.00	688
93.00	2367	165.00	582	231.00	220	373.00	222
94.00	290	166.00	559	234.00	106	383.00	160
96.00	145	167.00	2124	235.00	237	402.00	231
97.00	113	168.00	1051	237.00	193	403.00	522
98.00	1794	169.00	106	241.00	155	404.00	116
99.00	1493	170.00	58	242.00	511	421.00	403
100.00	112	172.00	230	243.00	439	422.00	504
101.00	954	173.00	253	244.00	5431	423.00	2908
103.00	300	174.00	532	245.00	666	424.00	491
104.00	451	175.00	790	246.00	1042	437.00	73
105.00	476	176.00	351	247.00	171	438.00	112
106.00	165	177.00	540	249.00	204	439.00	338
107.00	6782	178.00	166	253.00	137	440.00	409
108.00	1211	179.00	1633	254.00	182	441.00	7926
109.00	208	180.00	1414	255.00	28456	442.00	46672
110.00	11936	181.00	568	256.00	3894	443.00	8629
111.00	1602	182.00	57	257.00	233	444.00	738
112.00	228	184.00	124	258.00	1569		

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09651.D
Injection Date: 04-Oct-2014 20:49:30 Instrument ID: CBNAMS13
Lims ID: DFTPP
Client ID:
Operator ID:
Injection Vol: 5.0 ul
Method: 8270LVI_R13

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 625 ICAL

116 4,4'-DDT, Detector: MS SCAN

SW-846 Method

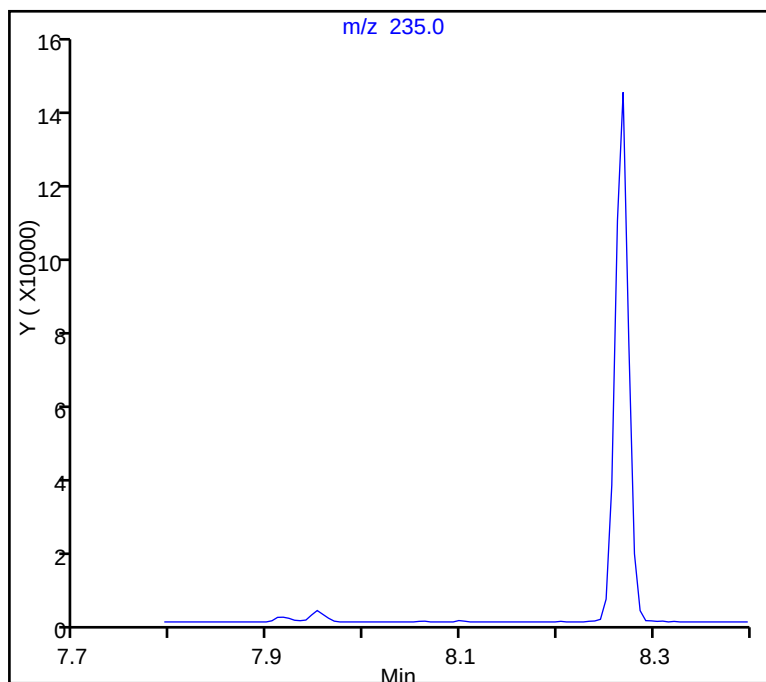
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

116 4,4'-DDT, Area = 139609

114 4,4'-DDD, Area = 3226

115 4,4'-DDE, Area = 0

%Breakdown: 2.26%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09651.D
Injection Date: 04-Oct-2014 20:49:30 Instrument ID: CBNAMS13
Lims ID: DFTPP
Client ID:
Operator ID:
Injection Vol: 5.0 ul
Method: 8270LVI_R13

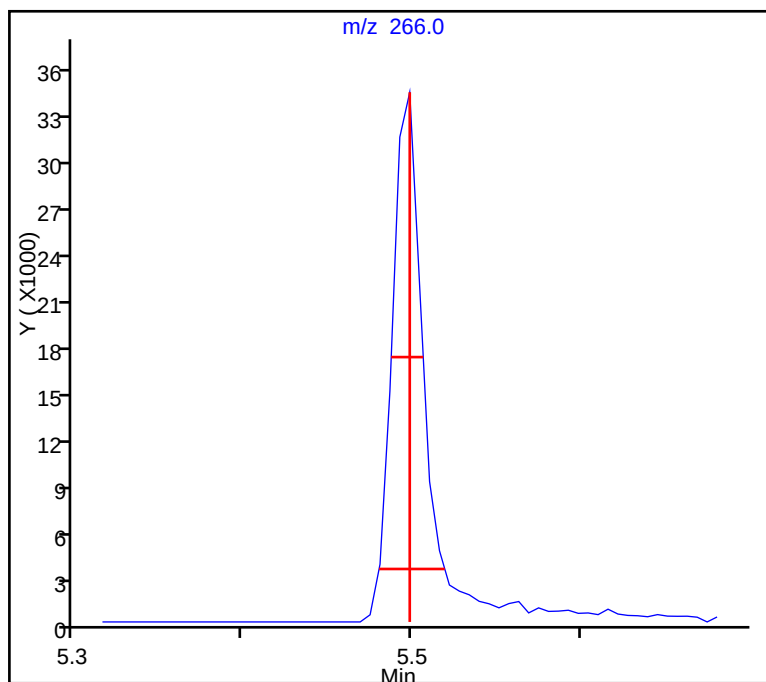
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 625 ICAL

80 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 1.1, Max. Tailing < 3.00
Passed



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09651.D
Injection Date: 04-Oct-2014 20:49:30 Instrument ID: CBNAMS13
Lims ID: DFTPP
Client ID:
Operator ID:
Injection Vol: 5.0 ul
Method: 8270LVI_R13

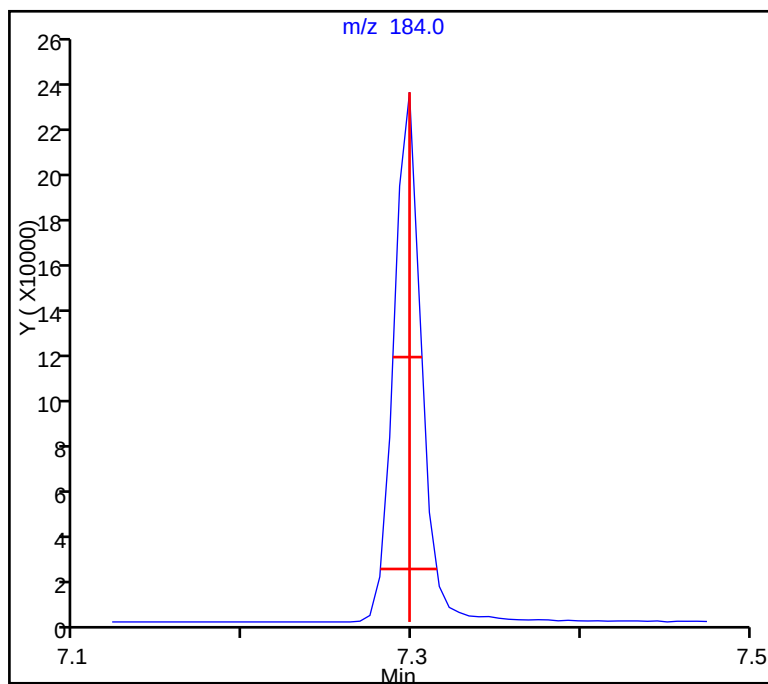
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 625 ICAL

89 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.9, Max. Tailing < 3.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1097.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 07-Oct-2014 19:20:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0019042-001
 Operator ID: BL Instrument ID: CBNAMS14
 Method: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\8270LVI_14.m
 Limit Group: SV 625 ICAL
 Last Update: 08-Oct-2014 11:43:51 Calib Date: 08-Oct-2014 01:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1111.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK032

First Level Reviewer: croccom

Date: 07-Oct-2014 19:31:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	5.246	5.246	0.000	93	31805	NR	NR	7
56 Benzidine_T	184	7.034	7.034	0.000	99	185927	NR	NR	7
123 DFTPP									
125 4,4'-DDD	235	7.704	7.704	0.000	86	1472		NR	7
126 4,4'-DDT	235	8.016	8.016	0.000	98	72738	NR	NR	7

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

7 - Failed Limit of Detection

Reagents:

SMDFTP_CH_00007

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1097.D

Injection Date: 07-Oct-2014 19:20:30

Instrument ID: CBNAMS14

Lims ID: dftpp

Client ID:

Operator ID: BL

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 5.0 ul

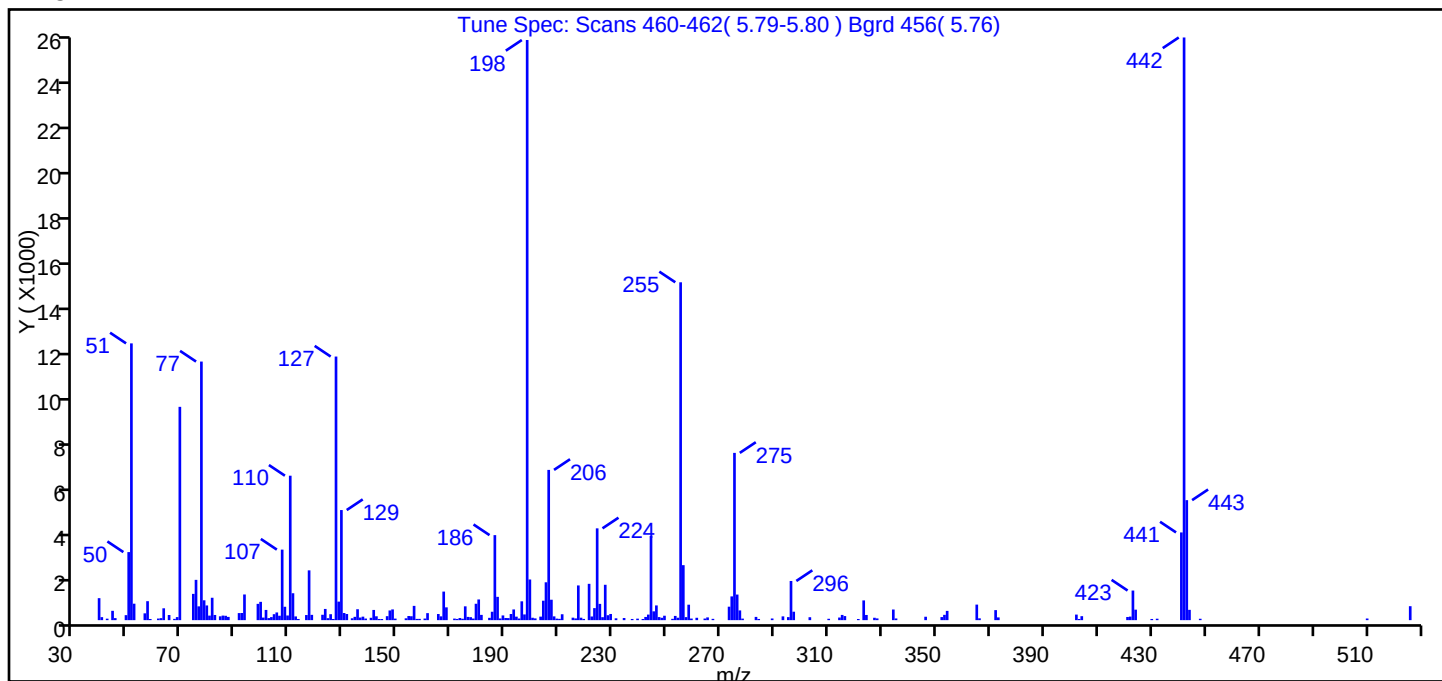
Dil. Factor: 1.0000

Method: 8270LVI_14

Limit Group: SV 625 ICAL

Tune Method: DFTPP Method 625

123 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	47.70
68	Less than 2.00% of mass 69	0.50 (1.40)
69	Present	36.80
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	45.40
197	Less than 1.00% of mass 198	1.00
199	5.00 - 9.00% of mass 198	7.00
275	10.00 - 30.00% of mass 198	28.80
365	Greater than 1.00% of mass 198	2.70
441	Present, but less than mass 443	15.10 (73.10)
442	Greater than 40.00% of mass 198	100.40
443	17.00 - 23.00% of mass 442	20.70 (20.60)

Data File: \\EDICHRON\ChromData\CBNAMS14\20141007-19042.b\N1097.D\8270LVI_14.rslt\spectra.d
Injection Date: 07-Oct-2014 19:20:30
Spectrum: Tune Spec: Scans 460-462(5.79-5.80) Bgrd 456(5.76)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	969	123.00	494	192.00	271	264.00	70
40.00	132	124.00	86	193.00	472	265.00	121
42.00	65	125.00	262	194.00	154	267.00	57
44.00	411	126.00	51	195.00	72	273.00	593
45.00	89	127.00	11621	196.00	830	274.00	1047
49.00	220	128.00	817	197.00	252	275.00	7374
50.00	3000	129.00	4854	198.00	25576	276.00	1128
51.00	12202	130.00	315	199.00	1792	277.00	429
52.00	725	131.00	270	200.00	105	278.00	68
56.00	300	133.00	82	201.00	77	283.00	143
57.00	836	134.00	146	203.00	155	284.00	52
58.00	51	135.00	481	204.00	857	289.00	73
61.00	70	136.00	115	205.00	1669	293.00	166
62.00	88	137.00	154	206.00	6624	295.00	133
63.00	522	138.00	70	207.00	900	296.00	1727
65.00	226	140.00	103	208.00	166	297.00	372
67.00	56	141.00	450	209.00	67	303.00	129
68.00	134	142.00	170	210.00	57	310.00	60
69.00	9404	143.00	51	211.00	260	314.00	115
74.00	1158	144.00	50	215.00	109	315.00	230
75.00	1776	146.00	175	216.00	76	316.00	179
76.00	608	147.00	427	217.00	1530	321.00	50
77.00	11400	148.00	473	218.00	107	323.00	870
78.00	875	149.00	68	219.00	54	324.00	228
79.00	648	153.00	81	221.00	1601	327.00	105
80.00	200	154.00	182	222.00	161	328.00	76
81.00	987	155.00	172	223.00	530	334.00	469
82.00	228	156.00	629	224.00	4047	335.00	74
84.00	169	157.00	55	225.00	717	346.00	150
85.00	201	158.00	56	226.00	131	352.00	135
86.00	192	160.00	70	227.00	1559	353.00	234
87.00	143	161.00	309	228.00	217	354.00	408
91.00	311	165.00	270	229.00	272	365.00	685

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1097.D\8270LVI_14.rslt\spectra.d

Injection Date: 07-Oct-2014 19:20:30

Spectrum: Tune Spec: Scans 460-462(5.79-5.80) Bgrd 456(5.76)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 217

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	315	166.00	167	231.00	81	366.00	80
93.00	1132	167.00	1259	234.00	94	372.00	442
98.00	718	168.00	564	237.00	52	373.00	121
99.00	807	171.00	69	239.00	66	402.00	245
100.00	113	172.00	53	241.00	51	403.00	50
101.00	450	173.00	94	242.00	141	404.00	175
102.00	90	174.00	62	243.00	245	421.00	139
103.00	134	175.00	609	244.00	3709	422.00	156
104.00	262	176.00	143	245.00	388	423.00	1305
105.00	339	177.00	131	246.00	649	424.00	462
106.00	194	178.00	70	247.00	135	430.00	52
107.00	3109	179.00	722	248.00	104	432.00	63
108.00	590	180.00	912	249.00	195	441.00	3867
109.00	205	181.00	232	252.00	58	442.00	25688
110.00	6368	184.00	102	253.00	186	443.00	5290
111.00	1186	185.00	370	254.00	106	444.00	454
112.00	164	186.00	3748	255.00	14895	448.00	61
113.00	51	187.00	1027	256.00	2424	510.00	72
116.00	225	188.00	74	257.00	133	526.00	615
117.00	2195	189.00	208	258.00	681		
118.00	233	190.00	95	259.00	70		
122.00	237	191.00	90	261.00	104		

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1097.D

Injection Date: 07-Oct-2014 19:20:30

Instrument ID: CBNAMS14

Lims ID: dftpp

Client ID:

Operator ID: BL

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 5.0 ul

Dil. Factor: 1.0000

Method: 8270LVI_14

Limit Group: SV 625 ICAL

126 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =

$$\left(\frac{\text{Area Breakdown Cpnds}}{\text{Total Area Breakdown Cpnds}} \right) * 100$$

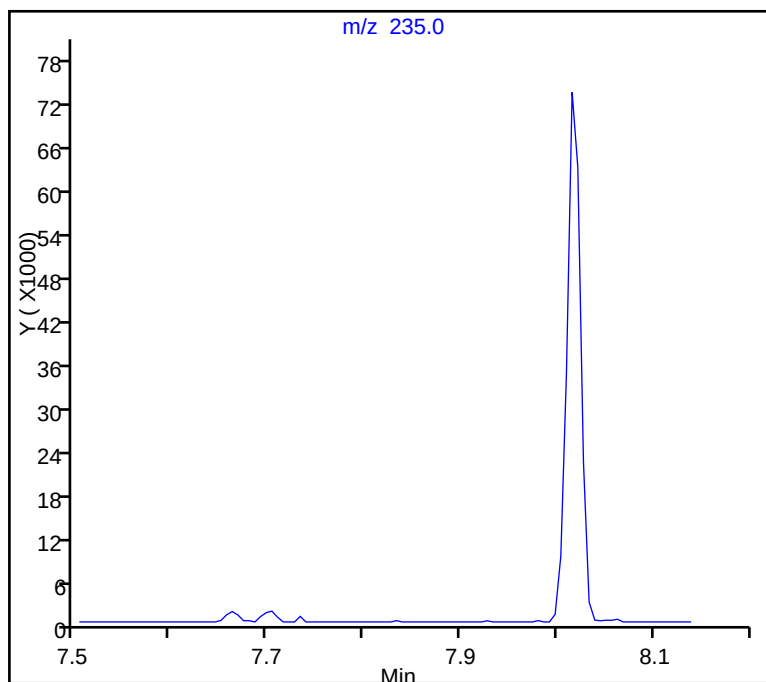
126 4,4'-DDT, Area = 72738

125 4,4'-DDD, Area = 1472

124 4,4'-DDE, Area = 0

%Breakdown: 1.98%, Max Limit: 20.00%

Passed



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1097.D

Injection Date: 07-Oct-2014 19:20:30

Instrument ID: CBNAMS14

Lims ID: dftpp

Client ID:

Operator ID: BL

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 5.0 ul

Dil. Factor: 1.0000

Method: 8270LVI_14

Limit Group: SV 625 ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =

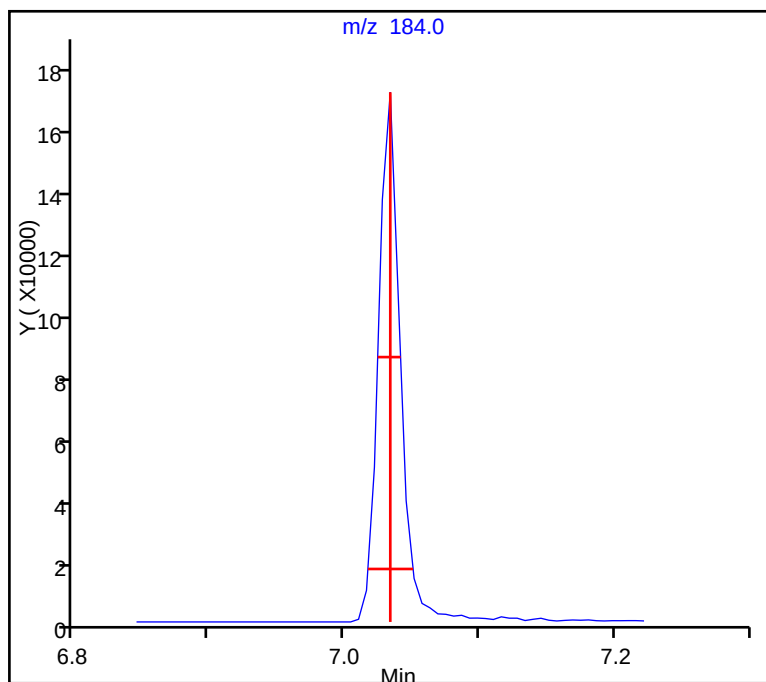
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)

Front Width = 0.017 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00

Passed



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS14\20141007-19042.b\N1097.D

Injection Date: 07-Oct-2014 19:20:30

Instrument ID: CBNAMS14

Lims ID: dftpp

Client ID:

Operator ID: BL

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 5.0 ul

Dil. Factor: 1.0000

Method: 8270LVI_14

Limit Group: SV 625 ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =

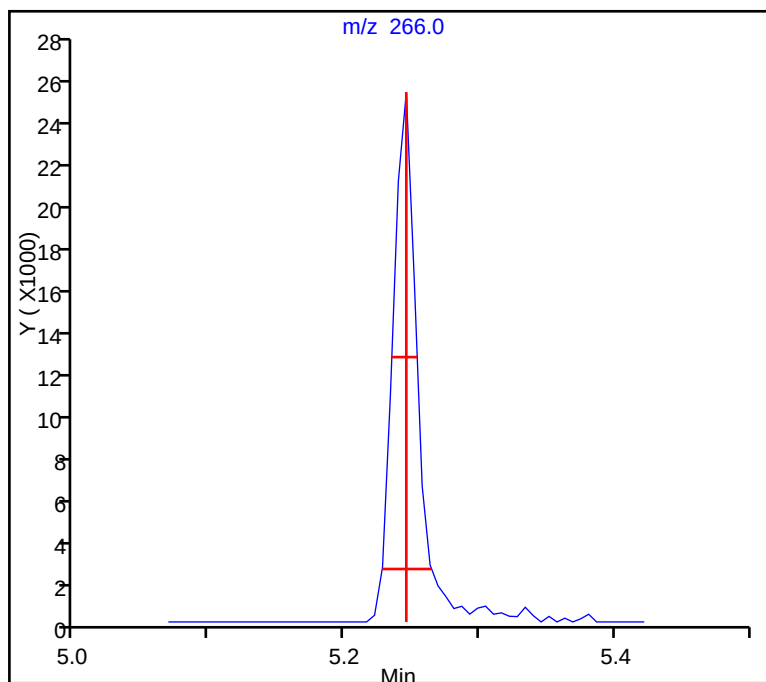
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)

Front Width = 0.018 (min.)

Tailing Factor = 1.1, Max. Tailing < 3.00

Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 460-252972/1-A

Matrix: Water Lab File ID: C09682.D

Analysis Method: 625 Date Collected: _____

Extract. Method: 625 Date Extracted: 10/01/2014 10:13

Sample wt/vol: 250 (mL) Date Analyzed: 10/05/2014 12:31

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

Injection Volume: 5 (uL) Level: (low/med) Low

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 253756 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	0.59	U	10	0.59
91-20-3	Naphthalene	1.8	U	10	1.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	70		46-122
367-12-4	2-Fluorophenol	51		10-65
4165-62-2	Phenol-d5	34		10-48
4165-60-0	Nitrobenzene-d5	73		56-112
321-60-8	2-Fluorobiphenyl	69		53-108
1718-51-0	Terphenyl-d14	76		50-122

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09682.D
 Lims ID: MB 460-252972/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 05-Oct-2014 12:31:30 ALS Bottle#: 32 Worklist Smp#: 32
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018920-032
 Operator ID: Instrument ID: CBNAMS13
 Method: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 13:51:01 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09665.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: bayoumiw

Date: 05-Oct-2014 13:51:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.310	3.310	0.000	96	997153	10.0	5.06	
\$ 6 Phenol-d5	99	4.181	4.198	-0.017	89	863751	10.0	3.38	
* 13 1,4-Dichlorobenzene-d4	152	4.563	4.557	0.006	97	1294279	8.00	8.00	
\$ 25 Nitrobenzene-d5	82	5.116	5.122	-0.006	89	1786095	10.0	7.33	
* 35 Naphthalene-d8	136	5.840	5.840	0.000	100	4898535	8.00	8.00	
\$ 48 2-Fluorobiphenyl	172	6.922	6.922	0.000	97	3589904	10.0	6.90	
* 61 Acenaphthene-d10	164	7.598	7.592	0.006	92	2934550	8.00	8.00	
63 3,5-di-tert-butyl-4-hydrox	205	7.604	7.610	-0.006	57	626		NC	
51 2-Naphthylamine	143	7.598	7.635	-0.037	38	337		NC	
\$ 76 2,4,6-Tribromophenol	330	8.375	8.381	-0.006	95	511052	10.0	7.00	
* 83 Phenanthrene-d10	188	9.069	9.063	0.006	98	4512910	8.00	8.00	
\$ 91 Terphenyl-d14	244	10.657	10.657	0.000	99	2574359	10.0	7.62	
* 96 Chrysene-d12	240	11.904	11.898	0.006	99	2466292	8.00	8.00	
* 103 Perylene-d12	264	13.886	13.880	0.006	98	1610075	8.00	8.00	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00029

Amount Added: 20.00

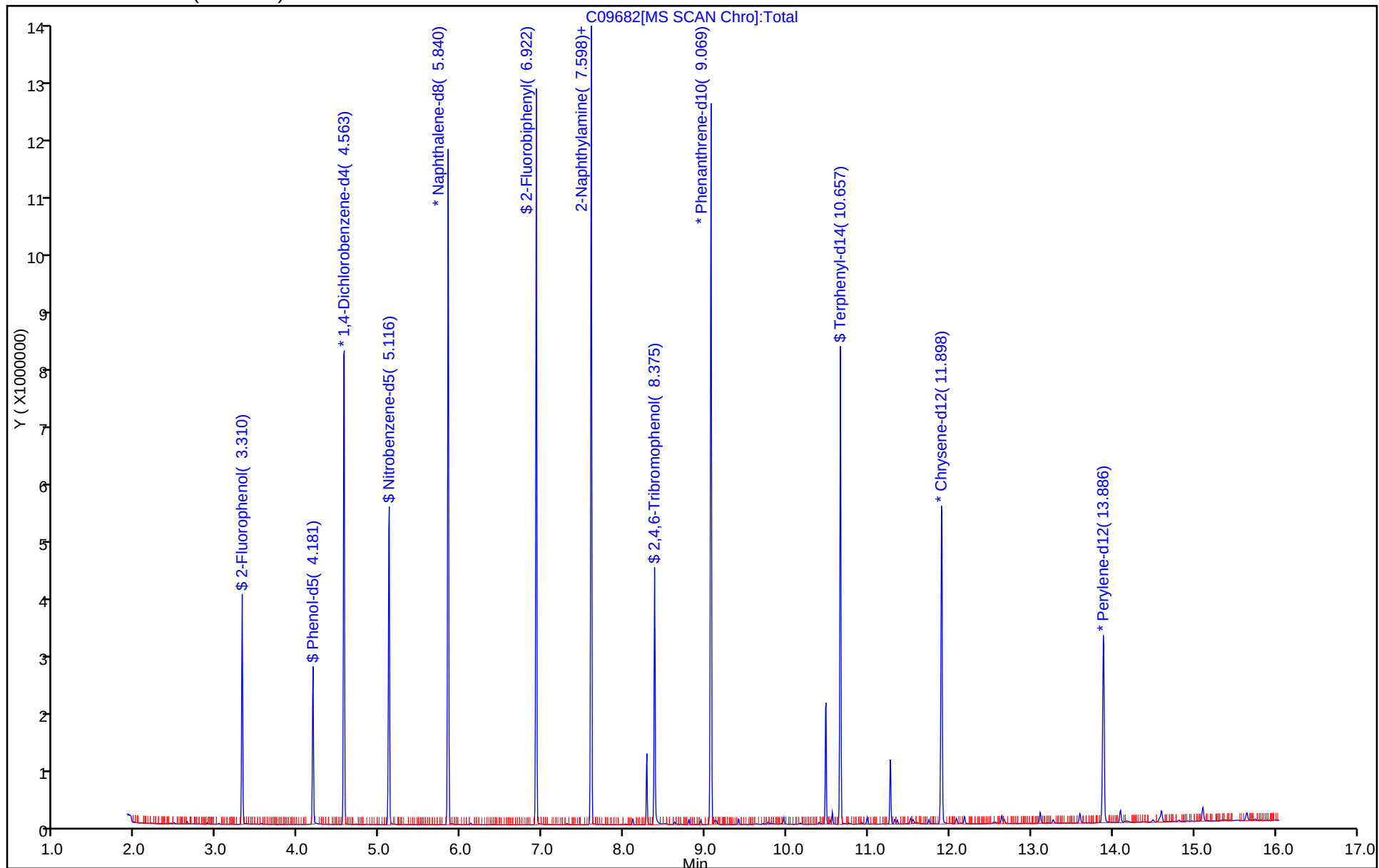
Units: uL

Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09682.D
Injection Date: 05-Oct-2014 12:31:30 Instrument ID: CBNAMS13
Lims ID: MB 460-252972/1-A
Client ID:
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R13 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm)

Operator ID:
Worklist Smp#: 32
ALS Bottle#: 32



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-252972/2-A
 Matrix: Water Lab File ID: C09670.D
 Analysis Method: 625 Date Collected: _____
 Extract. Method: 625 Date Extracted: 10/01/2014 10:13
 Sample wt/vol: 250 (mL) Date Analyzed: 10/05/2014 07:34
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 253756 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	29.9		10	0.59
91-20-3	Naphthalene	56.5		10	1.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	126	X	46-122
367-12-4	2-Fluorophenol	95	X	10-65
4165-62-2	Phenol-d5	66	X	10-48
4165-60-0	Nitrobenzene-d5	133	X	56-112
321-60-8	2-Fluorobiphenyl	130	X	53-108
1718-51-0	Terphenyl-d14	124	X	50-122

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09670.D
 Lims ID: LCS 460-252972/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 05-Oct-2014 07:34:30 ALS Bottle#: 20 Worklist Smp#: 20
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018923-020
 Operator ID: Instrument ID: CBNAMS13
 Method: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 13:45:13 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: RT Order ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09665.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: bayoumiw

Date: 05-Oct-2014 13:45:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.034	2.034	0.000	95	453288	10.0	5.46	
2 N-Nitrosodimethylamine	74	2.234	2.240	-0.006	80	675972	10.0	5.66	
3 Pyridine	79	2.275	2.275	0.000	90	1096984	10.0	5.24	
\$ 4 2-Fluorophenol	112	3.310	3.310	0.000	95	1923276	10.0	9.45	
\$ 6 Phenol-d5	99	4.193	4.198	-0.006	90	1734124	10.0	6.58	
7 Phenol	94	4.204	4.210	-0.006	99	1028340	10.0	3.73	
8 Aniline	93	4.234	4.240	-0.006	99	1759913	10.0	5.37	
9 Bis(2-chloroethyl)ether	93	4.298	4.298	0.000	98	1527466	10.0	7.24	
125 Benzonitrile	103	4.322	4.322	0.000	98	3091153	10.0	7.58	
10 2-Chlorophenol	128	4.357	4.357	0.000	95	1624632	10.0	7.07	
11 n-Decane	43	4.393	4.393	-0.001	87	1239904	10.0	5.50	
12 1,3-Dichlorobenzene	146	4.510	4.510	0.000	94	1610643	10.0	6.21	
* 13 1,4-Dichlorobenzene-d4	152	4.563	4.557	0.006	97	1335535	8.00	8.00	
14 1,4-Dichlorobenzene	146	4.581	4.581	0.000	93	1658883	10.0	6.33	
15 Benzyl alcohol	108	4.698	4.698	0.000	93	933902	10.0	7.76	
16 1,2-Dichlorobenzene	146	4.728	4.728	0.000	94	1572849	10.0	6.39	
17 2-Methylphenol	108	4.810	4.816	-0.006	88	1339368	10.0	6.66	
18 2,2'-oxybis[1-chloropropan	45	4.828	4.834	-0.006	89	1903524	10.0	7.06	
126 N-Methylaniline	106	4.957	4.957	0.000	87	2183770	10.0	6.52	
22 3 & 4 Methylphenol	108	4.969	4.969	0.000	79	1470509	NC	NC	
21 4-Methylphenol	108	4.969	4.969	0.000	73	1452324	10.0	6.22	
19 Acetophenone	105	4.969	4.969	0.000	92	2251124	10.0	7.34	
20 N-Nitrosodi-n-propylamine	70	4.969	4.969	0.000	89	1211529	10.0	7.44	
24 Hexachloroethane	117	5.069	5.069	0.000	94	626831	10.0	5.98	
\$ 25 Nitrobenzene-d5	82	5.122	5.122	0.000	90	3278436	10.0	13.3	
26 Nitrobenzene	77	5.145	5.140	0.005	91	2403093	10.0	7.25	
27 n,n'-Dimethylaniline	120	5.145	5.140	0.005	93	2520886	10.0	7.03	
28 Isophorone	82	5.381	5.381	0.000	99	2693192	10.0	6.61	
29 2-Nitrophenol	139	5.457	5.457	0.000	89	938206	10.0	7.33	
30 2,4-Dimethylphenol	122	5.504	5.504	0.000	90	1443885	10.0	7.32	
31 Bis(2-chloroethoxy)methane	93	5.598	5.592	0.006	100	1779000	10.0	7.41	
32 Benzoic acid	122	5.604	5.634	-0.030	89	455904	10.0	4.80	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 2,4-Dichlorophenol	162	5.704	5.704	0.000	95	1363534	10.0	7.33	
34 1,2,4-Trichlorobenzene	180	5.787	5.781	0.006	94	1454391	10.0	6.77	
* 35 Naphthalene-d8	136	5.845	5.840	0.005	100	4947037	8.00	8.00	
36 Naphthalene	128	5.869	5.863	0.006	99	4503975	10.0	7.07	
37 4-Chloroaniline	127	5.916	5.916	0.000	96	1779542	10.0	6.75	
38 Hexachlorobutadiene	225	5.987	5.987	-0.001	95	860208	10.0	6.62	
39 Caprolactam	113	6.286	6.287	-0.001	92	140999	10.0	2.83	
40 4-Chloro-3-methylphenol	107	6.410	6.416	-0.006	97	1307481	10.0	7.23	
41 2-Methylnaphthalene	142	6.557	6.557	0.000	85	3129924	10.0	7.27	
42 1-Methylnaphthalene	142	6.657	6.657	0.000	93	2889100	10.0	7.18	
43 Hexachlorocyclopentadiene	237	6.716	6.716	0.000	96	1001387	10.0	6.19	
44 1,2,4,5-Tetrachlorobenzene	216	6.728	6.728	0.000	98	1539704	10.0	7.05	
45 2-tertbutyl-4-methylphenol	149	6.757	6.757	0.000	90	2239112	NC	NC	
46 2,4,6-Trichlorophenol	196	6.839	6.839	0.000	90	942788	10.0	7.04	
47 2,4,5-Trichlorophenol	196	6.881	6.887	-0.005	97	1016352	10.0	7.17	
\$ 48 2-Fluorobiphenyl	172	6.928	6.922	0.006	97	6182698	10.0	13.0	
49 1,1'-Biphenyl	154	7.028	7.028	0.000	96	3596391	10.0	7.06	
50 2-Chloronaphthalene	162	7.051	7.045	0.006	97	2781358	10.0	7.09	
53 Phenyl ether	170	7.134	7.128	0.006	85	1990379	10.0	7.51	
54 2-Nitroaniline	65	7.151	7.151	0.000	98	860105	10.0	6.68	
55 1,3-Dimethylnaphthalene	156	7.263	7.263	0.000	92	2458358	10.0	7.65	
56 Dimethyl phthalate	163	7.333	7.334	-0.001	99	2889375	10.0	7.08	
57 Coumarin	146	7.363	7.357	0.006	75	914428	10.0	7.38	
58 2,6-Dinitrotoluene	165	7.392	7.392	0.000	95	687023	10.0	7.16	
59 Acenaphthylene	152	7.463	7.463	0.000	97	4218880	10.0	6.92	
60 3-Nitroaniline	138	7.563	7.563	0.000	94	683465	10.0	6.83	
* 61 Acenaphthene-d10	164	7.604	7.592	0.012	93	2690267	8.00	8.00	
63 3,5-di-tert-butyl-4-hydrox	205	7.610	7.610	0.000	98	2506921	NC	NC	
62 Acenaphthene	154	7.633	7.634	-0.001	94	2557800	10.0	6.86	
64 2,4-Dinitrophenol	184	7.663	7.663	0.000	96	777517	20.0	13.9	
65 4-Nitrophenol	65	7.728	7.734	-0.006	92	446368	20.0	7.47	
67 2,4-Dinitrotoluene	165	7.786	7.786	0.000	94	825795	10.0	6.82	
66 Dibenzofuran	168	7.804	7.804	0.000	95	3696956	10.0	6.92	
68 2,3,4,6-Tetrachlorophenol	232	7.922	7.922	0.000	94	742634	10.0	7.16	
69 Diethyl phthalate	149	8.028	8.028	0.000	98	2696776	10.0	6.82	
71 4-Chlorophenyl phenyl ethe	204	8.139	8.139	0.000	87	1504398	10.0	7.03	
70 Fluorene	166	8.145	8.139	0.006	95	2978842	10.0	7.10	
72 4-Nitroaniline	138	8.169	8.169	0.000	90	581681	10.0	6.76	
73 4,6-Dinitro-2-methylphenol	198	8.192	8.192	0.000	86	934982	20.0	15.2	
74 N-Nitrosodiphenylamine	169	8.257	8.257	0.000	69	1977039	10.0	7.90	
75 1,2-Diphenylhydrazine	77	8.298	8.298	0.000	97	2843663	10.0	7.27	
\$ 76 2,4,6-Tribromophenol	330	8.386	8.381	0.005	95	843533	10.0	12.6	
77 4-Bromophenyl phenyl ether	248	8.622	8.622	0.000	89	826576	10.0	7.36	
78 Hexachlorobenzene	284	8.680	8.681	0.000	97	879079	10.0	7.24	
79 Atrazine	200	8.780	8.786	-0.006	94	339484	10.0	3.90	
121 Pentachlorophenol	266	8.880	8.880	0.000	90	877004	20.0	15.0	
81 Pentachloronitrobenzene	237	8.892	8.886	0.006	88	321883	NC	NC	
82 n-Octadecane	57	8.945	8.945	0.000	95	1913857	10.0	7.42	
* 83 Phenanthrene-d10	188	9.069	9.063	0.006	99	3535589	8.00	8.00	
84 Phenanthrene	178	9.092	9.092	0.000	98	3367298	10.0	7.03	
85 Anthracene	178	9.145	9.139	0.006	99	3439684	10.0	6.99	
86 Carbazole	167	9.298	9.298	0.000	96	2750854	10.0	6.79	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Di-n-butyl phthalate	149	9.633	9.633	0.000	100	3461381	10.0	6.89	
88 Fluoranthene	202	10.263	10.263	0.000	98	2856528	10.0	6.60	
122 Benzidine	184	10.398	10.398	0.000	99	244250	10.0	1.57	
90 Pyrene	202	10.498	10.498	0.000	98	2801667	10.0	6.90	
\$ 91 Terphenyl-d14	244	10.657	10.657	0.000	99	3485909	10.0	12.4	
92 Butyl benzyl phthalate	149	11.204	11.198	0.006	98	1048009	10.0	7.08	
93 Carbamazepine	193	11.333	11.333	0.000	92	821805	10.0	7.61	
94 3,3'-Dichlorobenzidine	252	11.857	11.857	0.000	99	728880	10.0	7.15	
95 Benzo[a]anthracene	228	11.886	11.886	0.000	99	2010305	10.0	6.75	
* 96 Chrysene-d12	240	11.904	11.898	0.006	100	2046485	8.00	8.00	
98 Bis(2-ethylhexyl) phthalat	149	11.921	11.916	0.005	89	1399750	10.0	6.70	
97 Chrysene	228	11.939	11.933	0.006	99	1790959	10.0	6.75	
99 Di-n-octyl phthalate	149	12.815	12.816	-0.001	97	2129841	10.0	6.94	
100 Benzo[b]fluoranthene	252	13.345	13.345	0.000	99	1770270	10.0	7.25	
101 Benzo[k]fluoranthene	252	13.386	13.386	0.000	99	1746925	10.0	7.05	
102 Benzo[a]pyrene	252	13.810	13.804	0.006	98	1634384	10.0	7.34	
* 103 Perylene-d12	264	13.892	13.880	0.012	99	1642828	8.00	8.00	
104 Indeno[1,2,3-cd]pyrene	276	15.374	15.374	0.000	99	1605259	10.0	7.88	
105 Dibenz(a,h)anthracene	278	15.409	15.409	0.000	98	1591210	10.0	7.82	
106 Benzo[g,h,i]perylene	276	15.762	15.762	0.000	98	1619302	10.0	7.68	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00029

Amount Added: 20.00

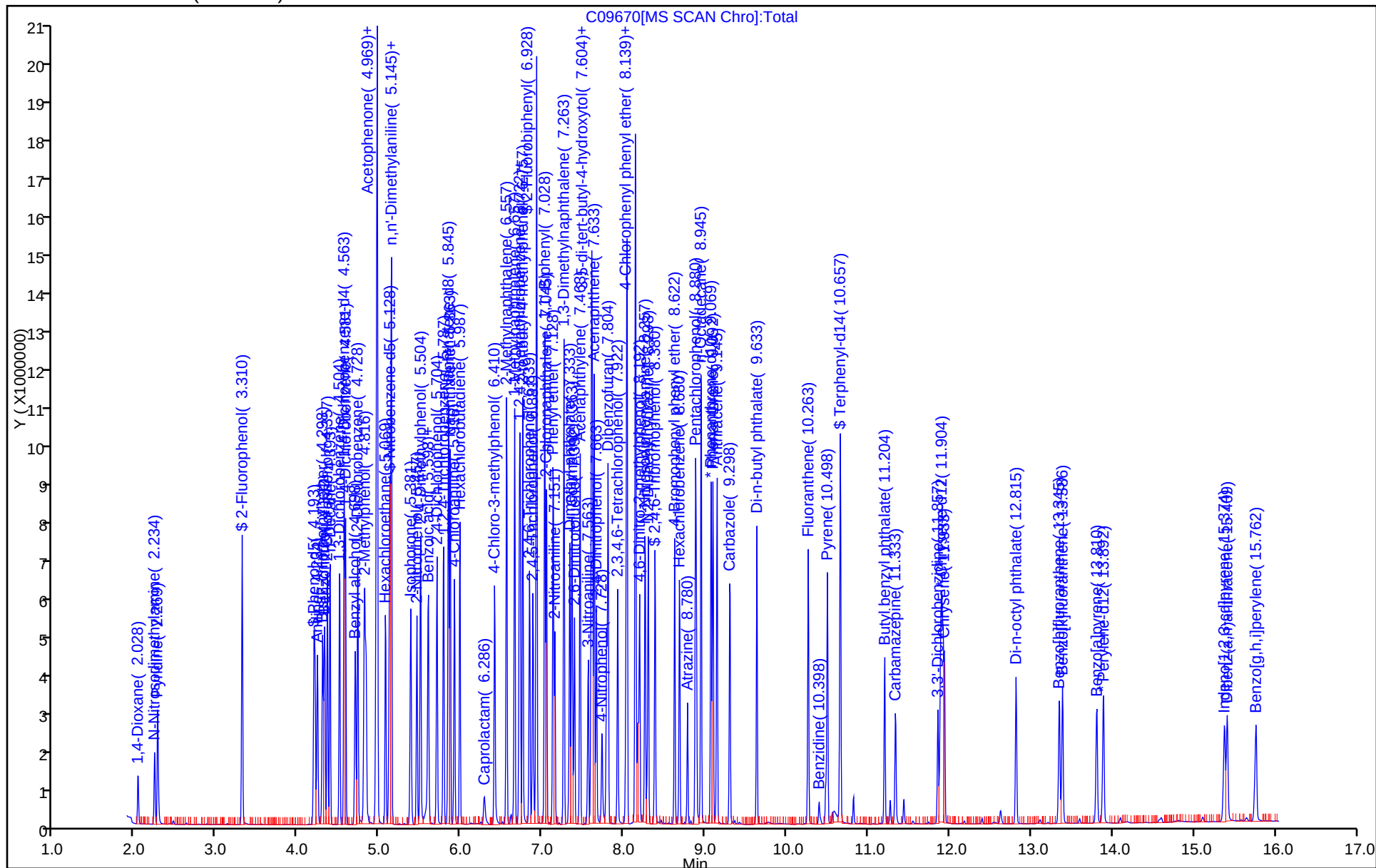
Units: uL

Run Reagent

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09670.D
Injection Date: 05-Oct-2014 07:34:30 Instrument ID: CBNAMS13
Lims ID: LCS 460-252972/2-A
Client ID:
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_R13 Limit Group: SV 625 ICAL
Column: Rtxi-5Sil MS (0.25 mm)

Operator ID:
Worklist Smp#: 20
ALS Bottle#: 20



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-252972/3-A
 Matrix: Water Lab File ID: C09671.D
 Analysis Method: 625 Date Collected: _____
 Extract. Method: 625 Date Extracted: 10/01/2014 10:13
 Sample wt/vol: 250 (mL) Date Analyzed: 10/05/2014 07:58
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1
 Injection Volume: 5 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 253756 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	30.6		10	0.59
91-20-3	Naphthalene	57.5		10	1.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	131	X	46-122
367-12-4	2-Fluorophenol	96	X	10-65
4165-62-2	Phenol-d5	67	X	10-48
4165-60-0	Nitrobenzene-d5	137	X	56-112
321-60-8	2-Fluorobiphenyl	133	X	53-108
1718-51-0	Terphenyl-d14	127	X	50-122

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09671.D
 Lims ID: LCSD 460-252972/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 05-Oct-2014 07:58:30 ALS Bottle#: 21 Worklist Smp#: 21
 Injection Vol: 5.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0018923-021
 Operator ID: Instrument ID: CBNAMS13
 Method: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\8270LVI_R13.m
 Limit Group: SV 625 ICAL
 Last Update: 05-Oct-2014 13:45:32 Calib Date: 05-Oct-2014 02:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CBNAMS13\20141004-18923.b\C09665.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: bayoumiw

Date: 05-Oct-2014 13:45:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.028	2.034	-0.006	96	442141	10.0	5.42	
2 N-Nitrosodimethylamine	74	2.228	2.240	-0.012	80	672465	10.0	5.73	
3 Pyridine	79	2.263	2.275	-0.012	90	1068396	10.0	5.20	
\$ 4 2-Fluorophenol	112	3.310	3.310	0.000	95	1907775	10.0	9.55	
\$ 6 Phenol-d5	99	4.193	4.198	-0.005	91	1725384	10.0	6.67	
7 Phenol	94	4.204	4.210	-0.006	99	1033352	10.0	3.82	
8 Aniline	93	4.234	4.240	-0.006	99	1764404	10.0	5.48	
9 Bis(2-chloroethyl)ether	93	4.299	4.298	0.000	98	1529899	10.0	7.38	
125 Benzonitrile	103	4.322	4.322	0.000	98	3080081	10.0	7.69	
10 2-Chlorophenol	128	4.357	4.357	0.000	96	1605211	10.0	7.11	
11 n-Decane	43	4.387	4.393	-0.006	87	1237649	10.0	5.59	
12 1,3-Dichlorobenzene	146	4.504	4.510	-0.006	94	1586492	10.0	6.23	
* 13 1,4-Dichlorobenzene-d4	152	4.563	4.557	0.006	97	1310844	8.00	8.00	
14 1,4-Dichlorobenzene	146	4.581	4.581	0.000	93	1610068	10.0	6.26	
15 Benzyl alcohol	108	4.698	4.698	0.000	93	925526	10.0	7.84	
16 1,2-Dichlorobenzene	146	4.728	4.728	0.000	95	1553430	10.0	6.43	
17 2-Methylphenol	108	4.810	4.816	-0.006	88	1329453	10.0	6.73	
18 2,2'-oxybis[1-chloropropan	45	4.828	4.834	-0.006	91	1894846	10.0	7.16	
126 N-Methylaniline	106	4.957	4.957	0.000	82	2147255	10.0	6.53	
22 3 & 4 Methylphenol	108	4.969	4.969	0.000	89	1473411	NC	NC	
21 4-Methylphenol	108	4.969	4.969	0.000	87	1451560	10.0	6.34	
19 Acetophenone	105	4.969	4.969	0.000	90	2237545	10.0	7.43	
20 N-Nitrosodi-n-propylamine	70	4.969	4.969	0.000	71	1224845	10.0	7.67	
24 Hexachloroethane	117	5.069	5.069	0.000	95	633157	10.0	6.15	
\$ 25 Nitrobenzene-d5	82	5.122	5.122	0.000	89	3247475	10.0	13.7	
26 Nitrobenzene	77	5.146	5.140	0.006	91	2404966	10.0	7.55	
27 n,n'-Dimethylaniline	120	5.140	5.140	0.000	94	2474885	10.0	7.03	
28 Isophorone	82	5.381	5.381	0.000	99	2660174	10.0	6.80	
29 2-Nitrophenol	139	5.457	5.457	0.000	88	929472	10.0	7.55	
30 2,4-Dimethylphenol	122	5.504	5.504	0.000	90	1406103	10.0	7.42	
31 Bis(2-chloroethoxy)methane	93	5.598	5.592	0.006	100	1772371	10.0	7.68	
32 Benzoic acid	122	5.604	5.634	-0.030	88	467935	10.0	5.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 2,4-Dichlorophenol	162	5.704	5.704	0.000	94	1331748	10.0	7.45	
34 1,2,4-Trichlorobenzene	180	5.787	5.781	0.006	95	1417293	10.0	6.87	
* 35 Naphthalene-d8	136	5.845	5.840	0.005	100	4754201	8.00	8.00	
36 Naphthalene	128	5.869	5.863	0.006	99	4398688	10.0	7.18	
37 4-Chloroaniline	127	5.916	5.916	0.000	96	1759221	10.0	6.94	
38 Hexachlorobutadiene	225	5.987	5.987	0.000	96	859964	10.0	6.89	
39 Caprolactam	113	6.287	6.287	0.000	92	148820	10.0	3.11	
40 4-Chloro-3-methylphenol	107	6.410	6.416	-0.006	97	1310266	10.0	7.54	
41 2-Methylnaphthalene	142	6.557	6.557	0.000	85	3085610	10.0	7.46	
42 1-Methylnaphthalene	142	6.657	6.657	0.000	93	2868929	10.0	7.42	
43 Hexachlorocyclopentadiene	237	6.716	6.716	0.000	96	973382	10.0	6.16	
44 1,2,4,5-Tetrachlorobenzene	216	6.728	6.728	0.000	98	1505422	10.0	7.06	
45 2-tertbutyl-4-methylphenol	149	6.757	6.757	0.000	90	2273690	NC	NC	
46 2,4,6-Trichlorophenol	196	6.840	6.839	0.001	89	933559	10.0	7.14	
47 2,4,5-Trichlorophenol	196	6.881	6.887	-0.005	96	1006367	10.0	7.26	
\$ 48 2-Fluorobiphenyl	172	6.928	6.922	0.006	97	6183373	10.0	13.3	
49 1,1'-Biphenyl	154	7.028	7.028	0.000	96	3624150	10.0	7.28	
50 2-Chloronaphthalene	162	7.051	7.045	0.006	97	2744712	10.0	7.15	
53 Phenyl ether	170	7.128	7.128	0.000	85	1991365	10.0	7.69	
54 2-Nitroaniline	65	7.151	7.151	0.000	98	874917	10.0	6.95	
55 1,3-Dimethylnaphthalene	156	7.263	7.263	0.000	92	2437721	10.0	7.76	
56 Dimethyl phthalate	163	7.334	7.334	0.000	99	2910460	10.0	7.29	
57 Coumarin	146	7.363	7.357	0.006	77	900249	10.0	7.56	
58 2,6-Dinitrotoluene	165	7.392	7.392	0.000	95	686549	10.0	7.32	
59 Acenaphthylene	152	7.463	7.463	0.000	97	4218838	10.0	7.08	
60 3-Nitroaniline	138	7.563	7.563	0.000	94	701355	10.0	7.17	
* 61 Acenaphthene-d10	164	7.604	7.592	0.012	93	2629307	8.00	8.00	
63 3,5-di-tert-butyl-4-hydrox	205	7.616	7.610	0.006	98	2496687	NC	NC	
62 Acenaphthene	154	7.634	7.634	0.000	94	2597334	10.0	7.13	
64 2,4-Dinitrophenol	184	7.663	7.663	0.000	97	809887	20.0	14.7	
65 4-Nitrophenol	65	7.734	7.734	0.000	92	455360	20.0	7.79	
67 2,4-Dinitrotoluene	165	7.787	7.786	0.000	95	829224	10.0	7.00	
66 Dibenzofuran	168	7.804	7.804	0.000	95	3677716	10.0	7.04	
68 2,3,4,6-Tetrachlorophenol	232	7.922	7.922	0.000	94	744971	10.0	7.35	
69 Diethyl phthalate	149	8.028	8.028	0.000	98	2733188	10.0	7.07	
71 4-Chlorophenyl phenyl ethe	204	8.139	8.139	0.000	87	1497570	10.0	7.16	
70 Fluorene	166	8.145	8.139	0.006	95	2985731	10.0	7.28	
72 4-Nitroaniline	138	8.169	8.169	0.000	91	605314	10.0	7.20	
73 4,6-Dinitro-2-methylphenol	198	8.192	8.192	0.000	87	961131	20.0	15.7	
74 N-Nitrosodiphenylamine	169	8.263	8.257	0.006	68	1999137	10.0	8.01	
75 1,2-Diphenylhydrazine	77	8.298	8.298	0.000	97	2871165	10.0	7.36	
\$ 76 2,4,6-Tribromophenol	330	8.386	8.381	0.005	94	857236	10.0	13.1	
77 4-Bromophenyl phenyl ether	248	8.622	8.622	0.000	89	819063	10.0	7.32	
78 Hexachlorobenzene	284	8.686	8.681	0.006	97	875357	10.0	7.23	
79 Atrazine	200	8.781	8.786	-0.005	94	345317	10.0	3.98	
121 Pentachlorophenol	266	8.881	8.880	0.001	90	875560	20.0	15.0	
81 Pentachloronitrobenzene	237	8.892	8.886	0.006	87	318184	NC	NC	
82 n-Octadecane	57	8.945	8.945	0.000	95	1945099	10.0	7.56	
* 83 Phenanthrene-d10	188	9.069	9.063	0.006	99	3525879	8.00	8.00	
84 Phenanthrene	178	9.092	9.092	0.000	98	3419985	10.0	7.16	
85 Anthracene	178	9.145	9.139	0.006	98	3457213	10.0	7.04	
86 Carbazole	167	9.304	9.298	0.006	96	2822897	10.0	6.98	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Di-n-butyl phthalate	149	9.633	9.633	0.000	100	3552547	10.0	7.09	
123 Bisphenol-A	213	10.057	10.000	0.057	0	249	NC	NC	
88 Fluoranthene	202	10.263	10.263	0.000	98	2954256	10.0	6.85	
122 Benzidine	184	10.398	10.398	0.000	99	255595	10.0	1.65	
90 Pyrene	202	10.498	10.498	0.000	97	2834178	10.0	6.92	
\$ 91 Terphenyl-d14	244	10.657	10.657	0.000	99	3576350	10.0	12.7	
92 Butyl benzyl phthalate	149	11.204	11.198	0.006	98	1087058	10.0	7.29	
93 Carbamazepine	193	11.333	11.333	0.000	92	839588	10.0	7.71	
94 3,3'-Dichlorobenzidine	252	11.857	11.857	0.000	99	743671	10.0	7.23	
95 Benzo[a]anthracene	228	11.892	11.886	0.006	98	2064479	10.0	6.88	
* 96 Chrysene-d12	240	11.904	11.898	0.006	99	2062931	8.00	8.00	
98 Bis(2-ethylhexyl) phthalat	149	11.922	11.916	0.006	89	1477095	10.0	7.00	
97 Chrysene	228	11.939	11.933	0.006	99	1859940	10.0	6.95	
99 Di-n-octyl phthalate	149	12.816	12.816	0.000	97	2213438	10.0	7.26	
100 Benzo[b]fluoranthene	252	13.351	13.345	0.006	99	1831421	10.0	7.55	
101 Benzo[k]fluoranthene	252	13.386	13.386	0.000	99	1801261	10.0	7.31	
102 Benzo[a]pyrene	252	13.810	13.804	0.006	98	1672930	10.0	7.55	
* 103 Perylene-d12	264	13.892	13.880	0.012	98	1632635	8.00	8.00	
104 Indeno[1,2,3-cd]pyrene	276	15.380	15.374	0.006	99	1602104	10.0	7.91	
105 Dibenz(a,h)anthracene	278	15.410	15.409	0.001	97	1600514	10.0	7.91	
106 Benzo[g,h,i]perylene	276	15.762	15.762	0.000	98	1638701	10.0	7.83	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00029

Amount Added: 20.00

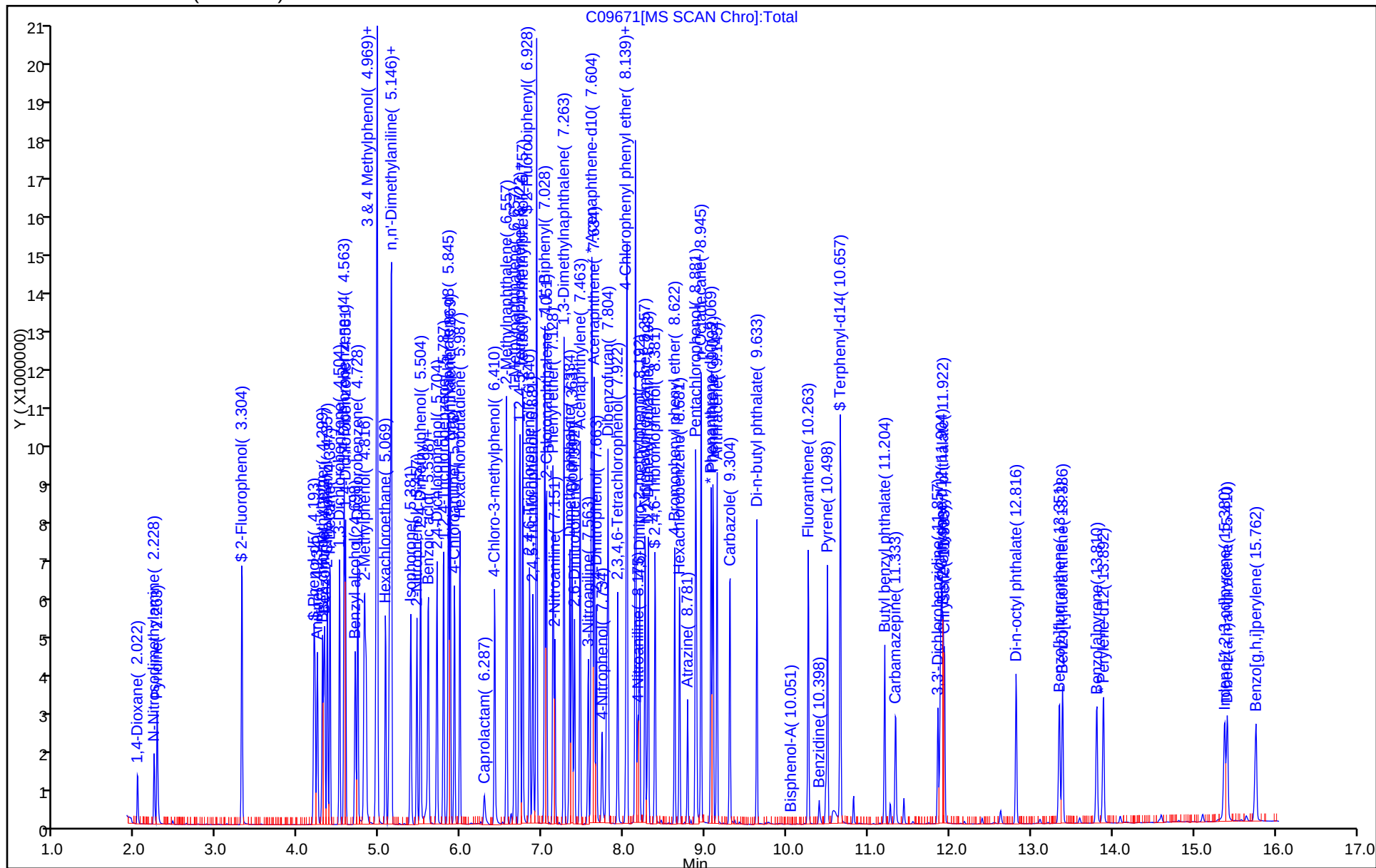
Units: uL

Run Reagent

Data File:	\\EDICHRON\ChromData\CBNAMs13\20141004-18923.b\C09671.D		
Injection Date:	05-Oct-2014 07:58:30	Instrument ID:	CBNAMs13
Lims ID:	LCSD 460-252972/3-A		
Client ID:			
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_R13	Limit Group:	SV 625 ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 21

ALS Bottle#: 21



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-83615-1

SDG No.: _____

Instrument ID: CBNAMS13Start Date: 10/04/2014 20:49Analysis Batch Number: 253756End Date: 10/05/2014 13:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-253756/1		10/04/2014 20:49	1	C09651.D	Rtxi-5S11 MS 0.25 (mm)
ICIS 460-253756/2		10/04/2014 21:05	1	C09652.D	Rtxi-5S11 MS 0.25 (mm)
STD24 460-253756/3 IC		10/04/2014 21:29	1	C09653.D	Rtxi-5S11 MS 0.25 (mm)
STD16 460-253756/4 IC		10/04/2014 21:52	1	C09654.D	Rtxi-5S11 MS 0.25 (mm)
STD4 460-253756/5 IC		10/04/2014 22:16	1	C09655.D	Rtxi-5S11 MS 0.25 (mm)
STD2 460-253756/6 IC		10/04/2014 22:40	1	C09656.D	Rtxi-5S11 MS 0.25 (mm)
STD1 460-253756/7 IC		10/04/2014 23:04	1	C09657.D	Rtxi-5S11 MS 0.25 (mm)
STD02 460-253756/8 IC		10/04/2014 23:27	1	C09658.D	Rtxi-5S11 MS 0.25 (mm)
STD01 460-253756/9 IC		10/04/2014 23:51	1	C09659.D	Rtxi-5S11 MS 0.25 (mm)
STD10 460-253756/10 IC		10/05/2014 00:15	1		Rtxi-5S11 MS 0.25 (mm)
STD24 460-253756/11 IC		10/05/2014 00:39	1		Rtxi-5S11 MS 0.25 (mm)
STD16 460-253756/12 IC		10/05/2014 01:03	1		Rtxi-5S11 MS 0.25 (mm)
STD4 460-253756/13 IC		10/05/2014 01:26	1		Rtxi-5S11 MS 0.25 (mm)
STD2 460-253756/14 IC		10/05/2014 01:50	1		Rtxi-5S11 MS 0.25 (mm)
STD1 460-253756/15 IC		10/05/2014 02:14	1		Rtxi-5S11 MS 0.25 (mm)
ICV 460-253756/16		10/05/2014 02:37	1		Rtxi-5S11 MS 0.25 (mm)
ICV 460-253756/17		10/05/2014 03:01	1		Rtxi-5S11 MS 0.25 (mm)
LCS 460-252972/2-A		10/05/2014 07:34	1	C09670.D	Rtxi-5S11 MS 0.25 (mm)
LCSD 460-252972/3-A		10/05/2014 07:58	1	C09671.D	Rtxi-5S11 MS 0.25 (mm)
ZZZZZ		10/05/2014 08:21	1		Rtxi-5S11 MS 0.25 (mm)
ZZZZZ		10/05/2014 09:09	1		Rtxi-5S11 MS 0.25 (mm)
ZZZZZ		10/05/2014 09:32	1		Rtxi-5S11 MS 0.25 (mm)
ZZZZZ		10/05/2014 09:55	1		Rtxi-5S11 MS 0.25 (mm)
ZZZZZ		10/05/2014 10:19	1		Rtxi-5S11 MS 0.25 (mm)
ZZZZZ		10/05/2014 10:43	1		Rtxi-5S11 MS 0.25 (mm)
ZZZZZ		10/05/2014 11:20	1		Rtxi-5S11 MS 0.25 (mm)
ZZZZZ		10/05/2014 11:43	1		Rtxi-5S11 MS 0.25 (mm)
ZZZZZ		10/05/2014 12:07	1		Rtxi-5S11 MS 0.25 (mm)
MB 460-252972/1-A		10/05/2014 12:31	1	C09682.D	Rtxi-5S11 MS 0.25 (mm)
ZZZZZ		10/05/2014 13:21	1		Rtxi-5S11 MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-83615-1

SDG No.: _____

Instrument ID: CBNAMS14Start Date: 10/07/2014 19:20Analysis Batch Number: 254350End Date: 10/08/2014 15:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-254350/1		10/07/2014 19:20	1	N1097.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-254350/2		10/07/2014 19:35	1	N1098.D	Rtxi-5Sil MS 0.25 (mm)
STD24 460-254350/3 IC		10/07/2014 20:02	1	N1099.D	Rtxi-5Sil MS 0.25 (mm)
STD16 460-254350/4 IC		10/07/2014 20:28	1	N1100.D	Rtxi-5Sil MS 0.25 (mm)
STD4 460-254350/5 IC		10/07/2014 20:54	1	N1101.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-254350/6 IC		10/07/2014 21:20	1	N1102.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-254350/7 IC		10/07/2014 21:46	1	N1103.D	Rtxi-5Sil MS 0.25 (mm)
STD02 460-254350/8 IC		10/07/2014 22:12	1	N1104.D	Rtxi-5Sil MS 0.25 (mm)
STD01 460-254350/9 IC		10/07/2014 22:38	1	N1105.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-254350/10 IC		10/07/2014 23:04	1		Rtxi-5Sil MS 0.25 (mm)
STD24 460-254350/11 IC		10/07/2014 23:30	1		Rtxi-5Sil MS 0.25 (mm)
STD16 460-254350/12 IC		10/07/2014 23:56	1		Rtxi-5Sil MS 0.25 (mm)
STD4 460-254350/13 IC		10/08/2014 00:22	1		Rtxi-5Sil MS 0.25 (mm)
STD2 460-254350/14 IC		10/08/2014 00:48	1		Rtxi-5Sil MS 0.25 (mm)
STD1 460-254350/15 IC		10/08/2014 01:14	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-254350/16		10/08/2014 01:40	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-254350/17		10/08/2014 02:06	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 07:06	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 07:32	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 07:58	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 08:24	10		Rtxi-5Sil MS 0.25 (mm)
460-83615-1	Effluent - Composite	10/08/2014 08:50	1	N1128.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 09:16	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 10:08	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 10:34	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 11:00	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 11:26	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 11:52	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 12:44	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 13:11	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 13:37	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 14:03	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 14:29	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 14:55	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 15:21	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		10/08/2014 15:47	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 252972 Batch Start Date: 10/01/14 10:13 Batch Analyst: Chen, MandiBatch Method: 625 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_BNA SPIK 00012
MB 460-252972/1		625, 625		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-252972/2		625, 625		250 mL	2 mL	7 SU	<2 SU	>12 SU	200 uL
LCSD 460-252972/3		625, 625		250 mL	2 mL	7 SU	<2 SU	>12 SU	200 uL
460-83615-D-1	Effluent - Composite	625, 625	T	240 mL	2 mL	7 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNASurroga 00005					
MB 460-252972/1		625, 625		200 uL					
LCS 460-252972/2		625, 625		200 uL					
LCSD 460-252972/3		625, 625		200 uL					
460-83615-D-1	Effluent - Composite	625, 625	T	200 uL					

Batch Notes	
Acid used for pH adjustment	Sulfuric Acid
Acid used for pH adjust Lot #	68555
Base used for pH adjustment	NaOH
Base used for pH adjust Lot #	OP 1098
Batch Comment	625_Prep_ LVI
Person's name who did the concentration	MC
N-evap #	222299
N-evap temperature	25 Degrees C
Na2SO4 Lot Number	84298
Prep Solvent Lot #	84537
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	120 ml
Person's name who did the prep	MC
Uncorrected N-evap Temperature	25 Celsius

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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 252972 Batch Start Date: 10/01/14 10:13 Batch Analyst: Chen, MandiBatch Method: 625 Batch End Date: _____

Basis	Basis Description
T	Total/NA

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

608_PCB_LL

Polychlorinated Biphenyls (PCBs)
(GC)

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
Effluent - Composite	460-83615-1	110	110	66	68
	MB 460-253274/1-A	53	58	44	46
	LCS 460-253274/2-A	80	88	69	71
	LCSD 460-253274/3-A	86	95	73	76

TCX = Tetrachloro-m-xylene (Surr)
DCB = DCB Decachlorobiphenyl

QC LIMITS
15-150
17-143

Column to be used to flag recovery values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: NR106784.D
Lab ID: LCS 460-253274/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	1.00	0.870	87	50-114	
PCB-1016	1.00	0.809	81	50-114	
PCB-1260	1.00	0.808	81	8-127	
PCB-1260	1.00	0.738	74	8-127	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: NR106785.D
 Lab ID: LCSD 460-253274/3-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
PCB-1016	1.00	0.920	92	6	40	50-114	
PCB-1016	1.00	0.891	89	10	40	50-114	
PCB-1260	1.00	0.862	86	6	40	8-127	
PCB-1260	1.00	0.794	79	7	40	8-127	

Column to be used to flag recovery and RPD values

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab Sample ID: MB 460-253274/1-A
Matrix: Water Date Extracted: 10/02/2014 13:00
Lab File ID: (1) NR106783.D Lab File ID: (2) NR106783.D
Date Analyzed: (1) 10/03/2014 08:59 Date Analyzed: (2) 10/03/2014 08:59
Instrument ID: (1) CPESTGC6 Instrument ID: (2) CPESTGC6
GC Column: (1) CLP-1 ID: 0.53 (mm) GC Column: (2) CLP-2 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE	
		ANALYZED 1	ANALYZED 2
	LCS 460-253274/2-A	10/03/2014 09:14	10/03/2014 09:14
	LCSD 460-253274/3-A	10/03/2014 09:28	10/03/2014 09:28
Effluent - Composite	460-83615-1	10/03/2014 09:42	10/03/2014 09:42

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Sample No.: CCVRT 460-253466/3 Date Analyzed: 10/03/2014 07:29
 Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): NR106777.D Heated Purge: (Y/N) N
 Calibration ID: 42575

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.36	9.62	
UPPER LIMIT				2.41	9.72	
LOWER LIMIT				2.31	9.52	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-253466/3		10/03/2014 07:29	NR106777.D	2.36	9.62	
CCV 460-253466/4		10/03/2014 07:44	NR106778.D	2.36	9.62	
MB 460-253274/1-A		10/03/2014 08:59	NR106783.D	2.36	9.63	
LCS 460-253274/2-A		10/03/2014 09:14	NR106784.D	2.36	9.63	
LCSD 460-253274/3-A		10/03/2014 09:28	NR106785.D	2.36	9.63	
460-83615-1	Effluent - Composite	10/03/2014 09:42	NR106786.D	2.36	9.62	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
 DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Sample No.: CCVRT 460-253466/3 Date Analyzed: 10/03/2014 07:29
 Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm)
 Lab File ID (Standard): NR106777.D Heated Purge: (Y/N) N
 Calibration ID: 42576

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.09	8.73	
UPPER LIMIT				2.14	8.83	
LOWER LIMIT				2.04	8.63	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-253466/3		10/03/2014 07:29	NR106777.D	2.09	8.73	
CCV 460-253466/4		10/03/2014 07:44	NR106778.D	2.09	8.73	
MB 460-253274/1-A		10/03/2014 08:59	NR106783.D	2.09	8.73	
LCS 460-253274/2-A		10/03/2014 09:14	NR106784.D	2.09	8.72	
LCSD 460-253274/3-A		10/03/2014 09:28	NR106785.D	2.09	8.72	
460-83615-1	Effluent - Composite	10/03/2014 09:42	NR106786.D	2.08	8.72	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.05 minutes of surrogate RT
 DCB RT Limit = ± 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-253274/2-A
 Instrument ID (1): CPESTGC6 Instrument ID (2): CPESTGC6
 Date Analyzed (1): 10/03/2014 09:14 Date Analyzed (2): 10/03/2014 09:14
 GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.33	2.24	2.44	0.868	0.809	7.3
		3	2.72	2.62	2.82	0.787		
		4	3.03	2.94	3.14	0.789		
		5	3.08	2.99	3.19	0.790		
	2	1	2.74	2.64	2.84	0.946	0.870	
		2	3.09	2.99	3.19	0.880		
		3	3.56	3.46	3.66	0.861		
		4	3.75	3.66	3.86	0.878		
		5	3.93	3.83	4.03	0.783		
	PCB-1260	1	1	6.28	6.20	6.40	0.781	
2			6.86	6.77	6.97	0.745		
3			6.97	6.88	7.08	0.739		
4			7.21	7.12	7.32	0.734		
5			7.76	7.67	7.87	0.693		
2		1	7.03	6.93	7.13	0.796	0.808	
		2	7.23	7.13	7.33	0.799		
		3	7.59	7.49	7.69	0.804		
		4	7.97	7.87	8.07	0.831		
		5	9.04	8.93	9.13	0.810		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-253274/3-A
 Instrument ID (1): CPESTGC6 Instrument ID (2): CPESTGC6
 Date Analyzed (1): 10/03/2014 09:28 Date Analyzed (2): 10/03/2014 09:28
 GC Column (1): CLP-1 ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.33	2.24	2.44	0.915	0.891	3.2
		3	2.72	2.62	2.82	0.907		
		4	3.03	2.94	3.14	0.870		
		5	3.08	2.99	3.19	0.872		
	2	1	2.74	2.64	2.84	0.962	0.920	
		2	3.09	2.99	3.19	0.940		
		3	3.56	3.46	3.66	0.929		
		4	3.75	3.66	3.86	0.947		
		5	3.93	3.83	4.03	0.822		
	PCB-1260	1	1	6.28	6.20	6.40	0.843	0.794
2			6.86	6.77	6.97	0.813		
3			6.97	6.88	7.08	0.762		
4			7.21	7.12	7.32	0.801		
5			7.76	7.67	7.87	0.753		
2		1	7.03	6.93	7.13	0.861	0.862	
		2	7.23	7.13	7.33	0.866		
		3	7.59	7.49	7.69	0.870		
		4	7.97	7.87	8.07	0.898		
		5	9.04	8.93	9.13	0.814		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Client Sample ID: Effluent - Composite Lab Sample ID: 460-83615-1
Matrix: Water Lab File ID: NR106786.D
Analysis Method: 608 Date Collected: 09/30/2014 07:20
Extraction Method: 608 Date Extracted: 10/02/2014 13:00
Sample wt/vol: 990 (mL) Date Analyzed: 10/03/2014 09:42
Con. Extract Vol.: 0.5 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 253466 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	110		15-150
2051-24-3	DCB Decachlorobiphenyl	68		17-143

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106786.D
 Lims ID: 460-83615-H-1-A Lab Sample ID: 460-83615-1
 Client ID: Effluent - Composite
 Sample Type: Client
 Inject. Date: 03-Oct-2014 09:42:13 ALS Bottle#: 66 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 03-Oct-2014 14:41:41 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: foleysont

Date: 03-Oct-2014 14:40:34

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

\$ 4 Tetrachloro-m-xylene M

1	2.360	2.363	-0.003	158730	219.5	
2	2.083	2.090	-0.007	705646	219.9	M

RPD = 0.17

\$ 24 DCB Decachlorobiphenyl

1	9.623	9.623	0.000	110981	135.4	
2	8.720	8.727	-0.007	392165	132.6	

RPD = 2.10

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106786.D

Injection Date: 03-Oct-2014 09:42:13

Instrument ID: CPESTGC6

Operator ID:

Lims ID: 460-83615-H-1-A

Lab Sample ID: 460-83615-1

Worklist Smp#: 12

Client ID: Effluent - Composite

Injection Vol: 1.0 ul

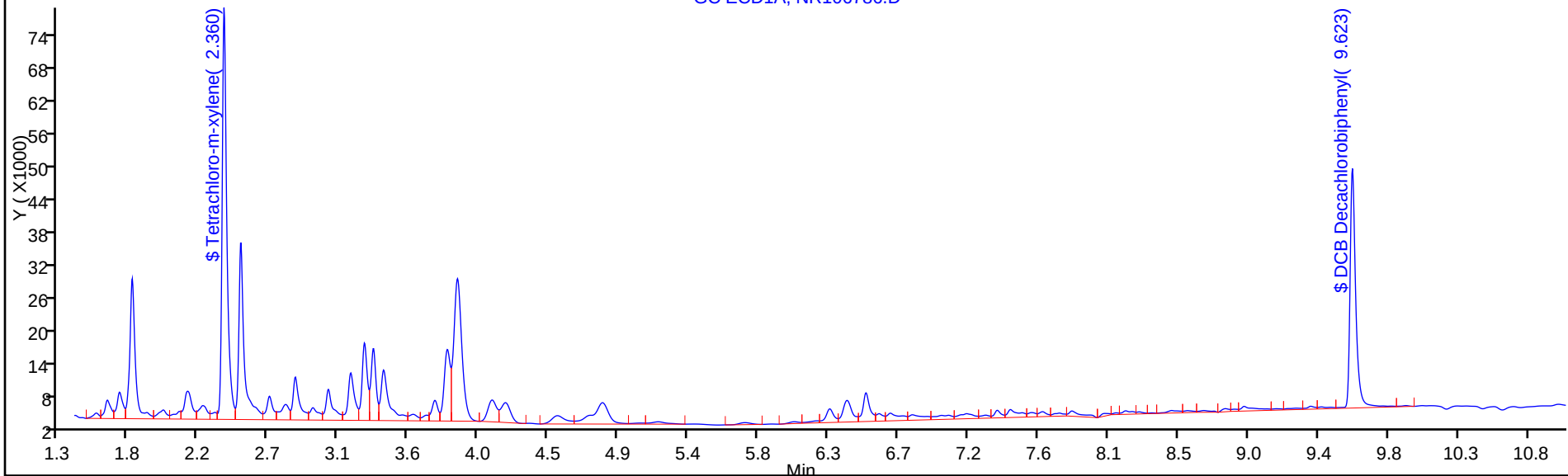
Dil. Factor: 1.0000

ALS Bottle#: 66

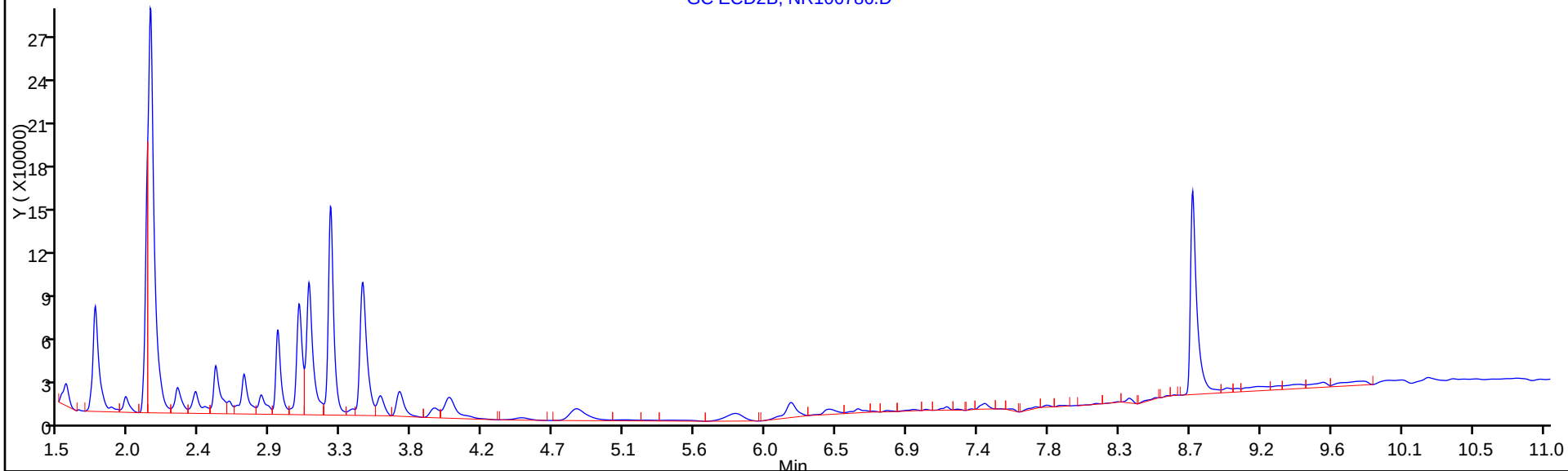
Method: 608GC6

Limit Group: GC 608 ICAL

GC ECD1A, NR106786.D



GC ECD2B, NR106786.D



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Client Sample ID: Effluent - Composite Lab Sample ID: 460-83615-1

Matrix: Water Lab File ID: NR106786.D

Analysis Method: 608 Date Collected: 09/30/2014 07:20

Extraction Method: 608 Date Extracted: 10/02/2014 13:00

Sample wt/vol: 990 (mL) Date Analyzed: 10/03/2014 09:42

Con. Extract Vol.: 0.5 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 253466 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	0.024	U	0.051	0.024
11141-16-5	PCB-1232	0.028	U	0.051	0.028
12674-11-2	PCB-1016	0.017	U	0.051	0.017
53469-21-9	PCB-1242	0.031	U	0.051	0.031
12672-29-6	PCB-1248	0.017	U	0.051	0.017
11097-69-1	PCB-1254	0.017	U	0.051	0.017
11096-82-5	PCB-1260	0.012	U	0.051	0.012
37324-23-5	PCB-1262	0.017	U	0.051	0.017
11100-14-4	PCB-1268	0.022	U	0.051	0.022
1336-36-3	Polychlorinated biphenyls, Total	0.012	U	0.051	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	110		15-150
2051-24-3	DCB Decachlorobiphenyl	66		17-143

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106786.D
 Lims ID: 460-83615-H-1-A Lab Sample ID: 460-83615-1
 Client ID: Effluent - Composite
 Sample Type: Client
 Inject. Date: 03-Oct-2014 09:42:13 ALS Bottle#: 66 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 03-Oct-2014 14:41:41 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: foleysont Date: 03-Oct-2014 14:40:34

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

\$ 4 Tetrachloro-m-xylene M
 1 2.360 2.363 -0.003 158730 219.5
 2 2.083 2.090 -0.007 705646 219.9 M
 RPD = 0.17

\$ 24 DCB Decachlorobiphenyl
 1 9.623 9.623 0.000 110981 135.4
 2 8.720 8.727 -0.007 392165 132.6
 RPD = 2.10

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106786.D

Injection Date: 03-Oct-2014 09:42:13

Instrument ID: CPESTGC6

Operator ID:

Lims ID: 460-83615-H-1-A

Lab Sample ID: 460-83615-1

Worklist Smp#: 12

Client ID: Effluent - Composite

Injection Vol: 1.0 ul

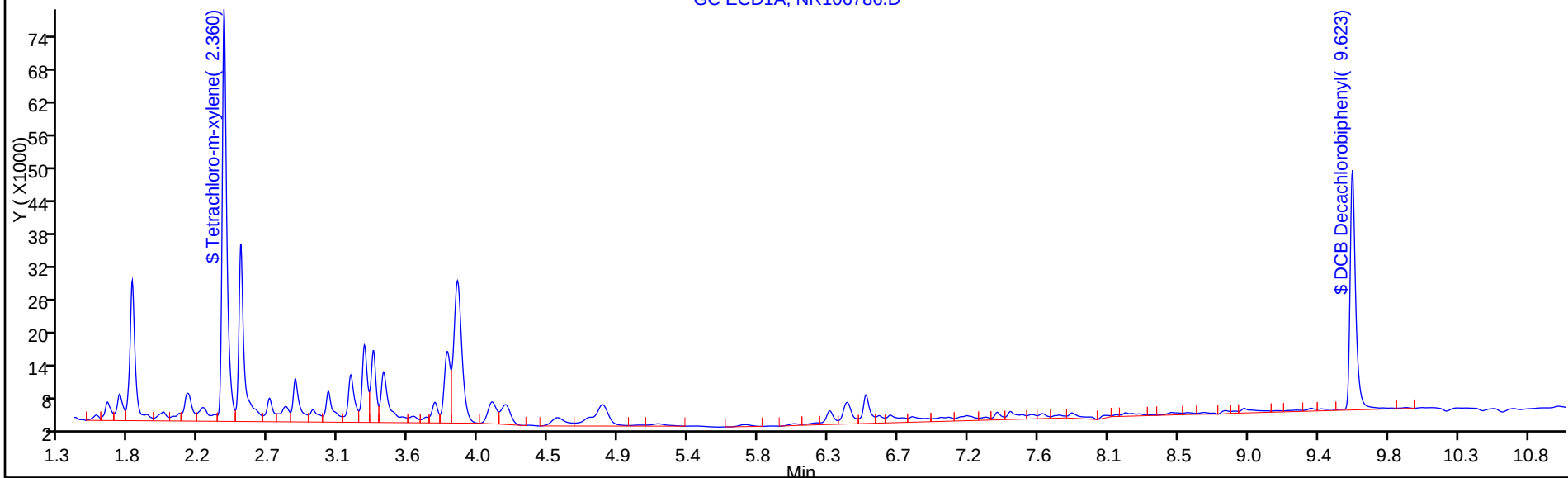
Dil. Factor: 1.0000

ALS Bottle#: 66

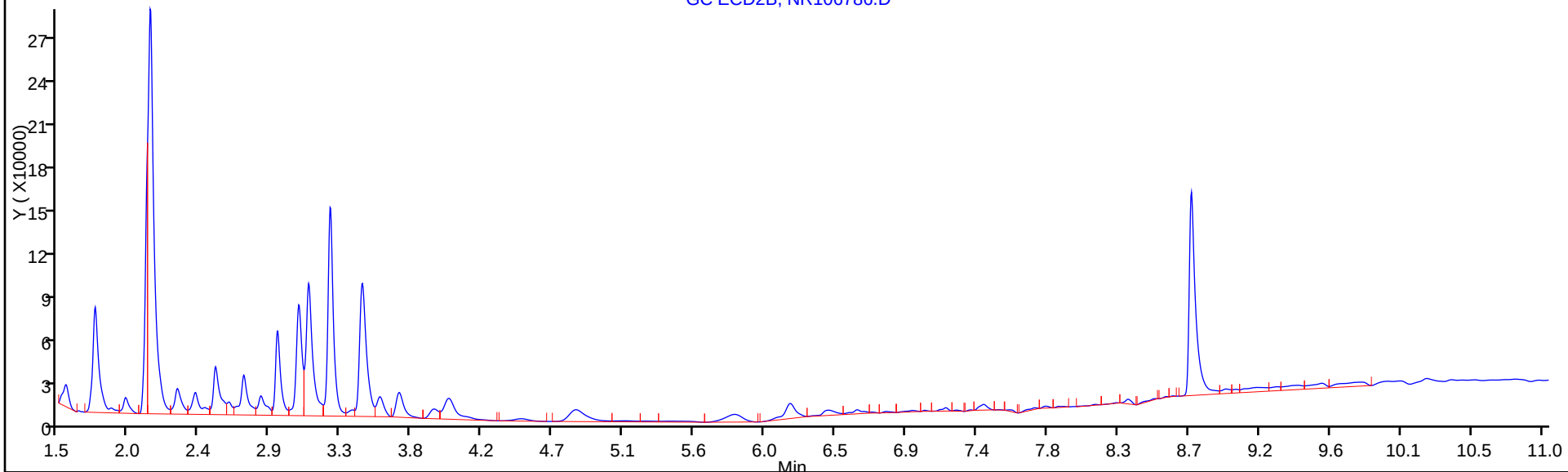
Method: 608GC6

Limit Group: GC 608 ICAL

GC ECD1A, NR106786.D



GC ECD2B, NR106786.D



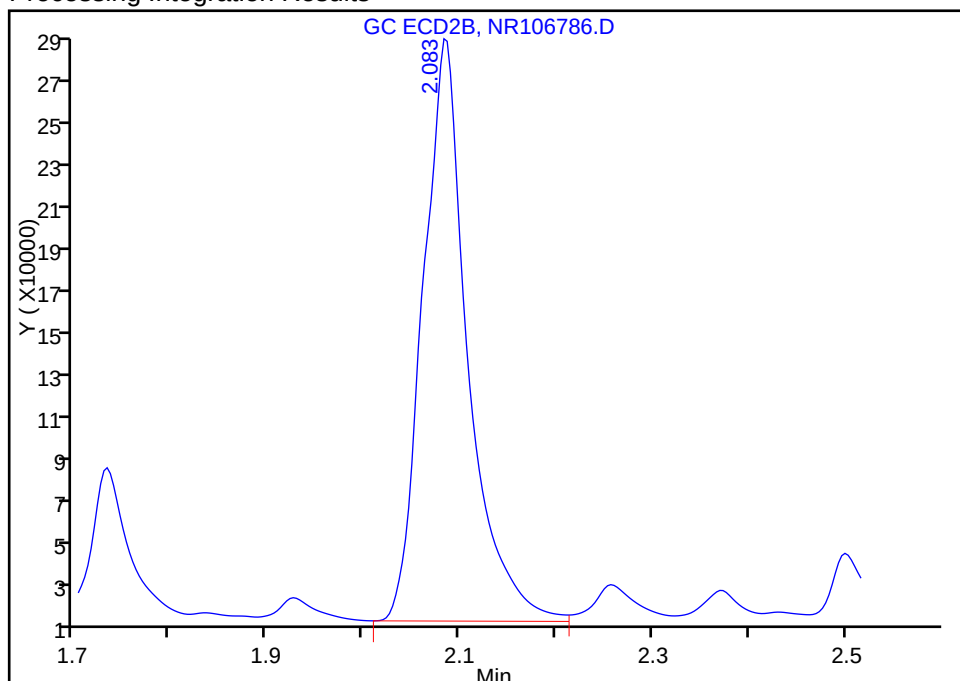
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106786.D
Injection Date: 03-Oct-2014 09:42:13 Instrument ID: CPESTGC6
Lims ID: 460-83615-H-1-A Lab Sample ID: 460-83615-1
Client ID: Effluent - Composite
Operator ID: ALS Bottle#: 66 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 608GC6 Limit Group: GC 608 ICAL
Column: Detector GC ECD2B

\$ 4 Tetrachloro-m-xylene, CAS: 877-09-8

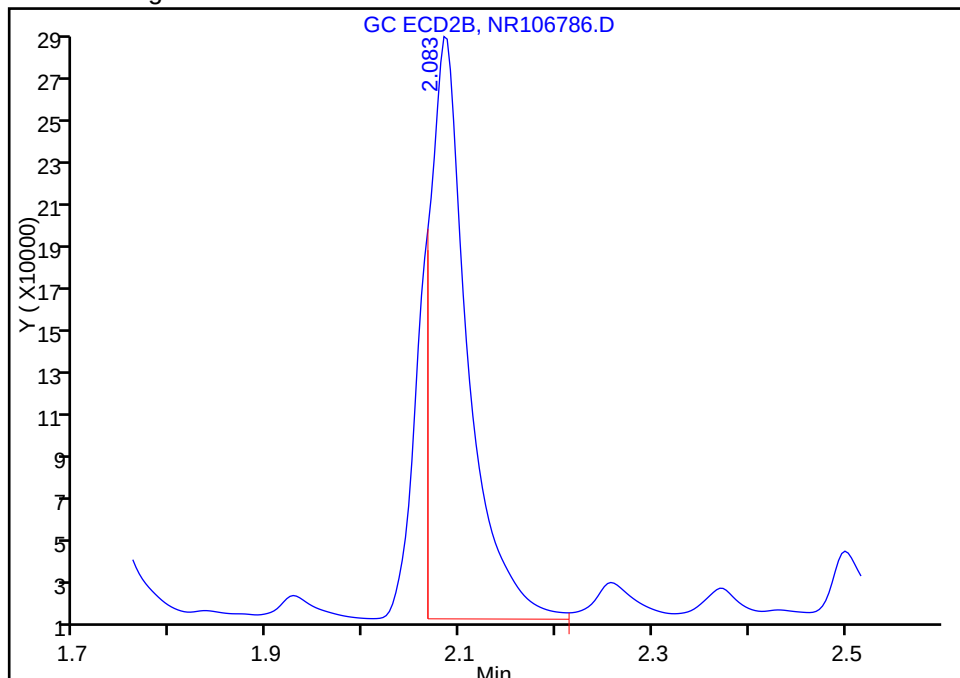
RT: 2.08
Response: 879756
Amount: 274.1267

Processing Integration Results



RT: 2.08
Response: 705646
Amount: 219.8751

Manual Integration Results



Reviewer: foleysont, 03-Oct-2014 14:40:34
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 19:11 Calibration End Date: 08/29/2013 20:07 Calibration ID: 29069

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/8	NR103436.D
Level 2	IC 460-178893/9	NR103437.D
Level 3	IC 460-178893/10	NR103438.D
Level 4	IC 460-178893/11	NR103439.D
Level 5	IC 460-178893/12	NR103440.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1232 Peak 1	2.773	2.773	2.773	2.777	2.773						2.673 - 2.873	2.774
PCB-1232 Peak 2	3.140	3.137	3.137	3.140	3.140						3.037 - 3.237	3.139
PCB-1232 Peak 3	3.637	3.633	3.633	3.640	3.637						3.533 - 3.733	3.636
PCB-1232 Peak 4	3.847	3.843	3.843	3.850	3.850						3.743 - 3.943	3.847
PCB-1232 Peak 5	4.033	4.037	4.040	4.047	4.047						3.940 - 4.140	4.041

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 19:11 Calibration End Date: 08/29/2013 20:07 Calibration ID: 29069

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/8	NR103436.D
Level 2	IC 460-178893/9	NR103437.D
Level 3	IC 460-178893/10	NR103438.D
Level 4	IC 460-178893/11	NR103439.D
Level 5	IC 460-178893/12	NR103440.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 3	LVL 4		B	M1	M2								
PCB-1232 Peak 1	73.860 22.036	26.972	26.966	24.167	Lin	3733.29677	21.0487416							0.9940		0.9900
PCB-1232 Peak 2	85.280 18.019	22.162	22.658	19.513	Lin	3842.53160	16.7762778							0.9940		0.9900
PCB-1232 Peak 3	97.840 32.674	38.944	36.112	34.355	Lin	3941.97661	31.3481292							0.9990		0.9900
PCB-1232 Peak 4	33.480 15.459	16.510	16.354	16.083	Lin	963.410356	15.1778285							1.0000		0.9900
PCB-1232 Peak 5	12.720 9.2216	8.9380	8.6080	9.2747	Lin	-100.05944	9.22149499							0.9990		0.9900

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 Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 19:11 Calibration End Date: 08/29/2013 20:07 Calibration ID: 29069

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/8	NR103436.D
Level 2	IC 460-178893/9	NR103437.D
Level 3	IC 460-178893/10	NR103438.D
Level 4	IC 460-178893/11	NR103439.D
Level 5	IC 460-178893/12	NR103440.D

ANALYTE	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
PCB-1232 Peak 1	Lin	3693	13486	26966	36251	55091	50.0	500	1000	1500	2500
PCB-1232 Peak 2	Lin	4264	11081	22658	29270	45048	50.0	500	1000	1500	2500
PCB-1232 Peak 3	Lin	4892	19472	36112	51532	81684	50.0	500	1000	1500	2500
PCB-1232 Peak 4	Lin	1674	8255	16354	24124	38647	50.0	500	1000	1500	2500
PCB-1232 Peak 5	Lin	636	4469	8608	13912	23054	50.0	500	1000	1500	2500

Curve Type Legend:

Lin = Linear

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103436.D
 Lims ID: IC 1232 L1 Client ID:
 Inject. Date: 29-Aug-2013 19:11:31 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 460-0004127-008
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 8
 Lims Batch ID: 178893 Lims Sample ID: 8
 Sublist: chrom-608GC6*sub27
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:35 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

03-Sep-2013 15:32:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

37	PCB-1232					M
1	2.773	2.773	0.0	3693	-1.91	M
1	3.140	3.137	0.003	4264	25.1	M
1	3.637	3.633	0.004	4892	30.3	M
1	3.847	3.843	0.004	1674	46.8	M
1	4.033	4.040	-0.007	636	79.8	M

Average of Peak Amounts = 36.0

2	2.260	2.260	0.0	8862	5.20	M
2	2.507	2.507	0.0	5240	61.9	
2	2.833	2.833	0.0	7359	14.4	M
2	2.940	2.940	0.0	2404	58.3	
2	2.990	2.990	0.0	1879	53.8	

Average of Peak Amounts = 38.7

RPD = 7.20

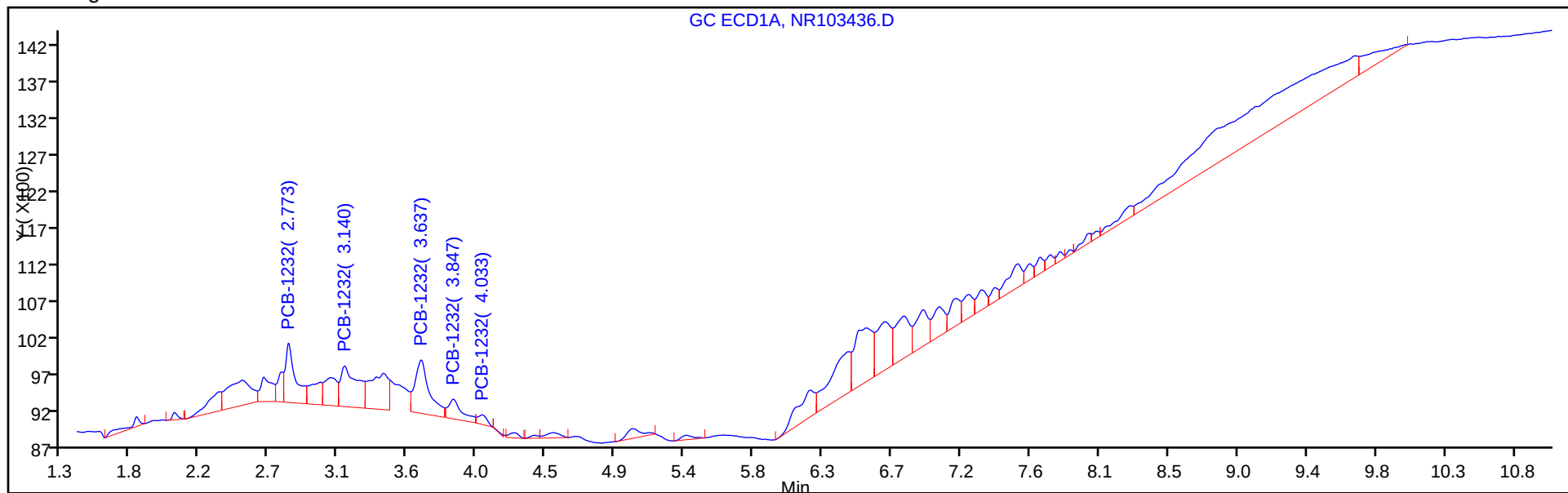
QC Flag Legend

Review Flags

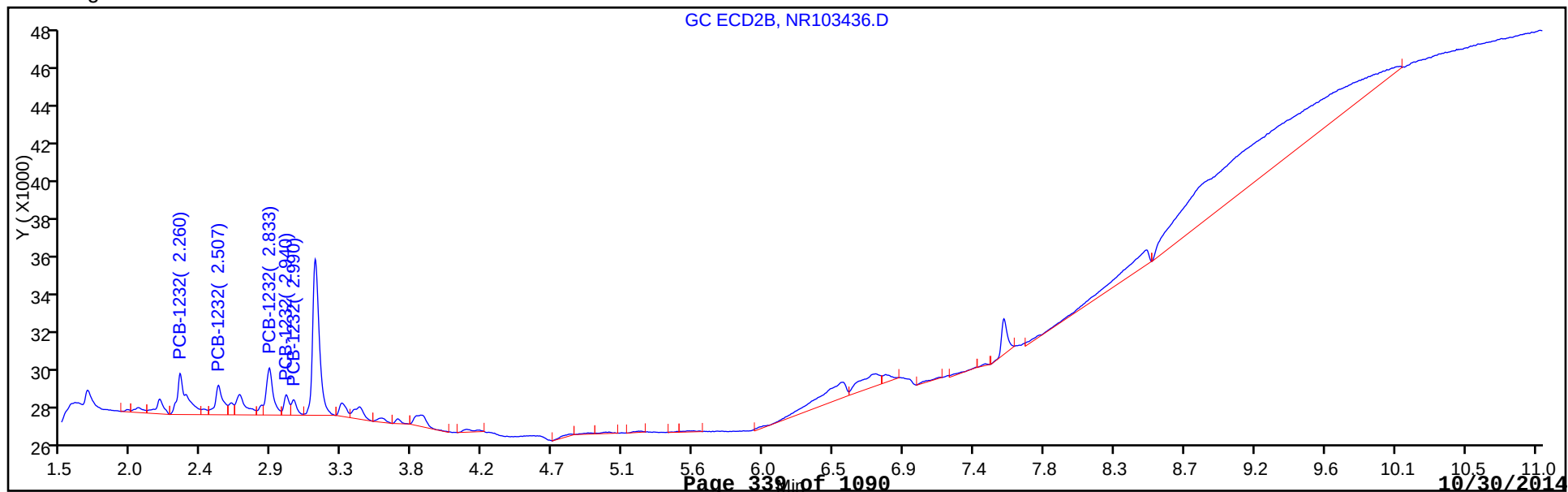
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103436.D
Injection Date: 29-Aug-2013 19:11:31 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 8
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

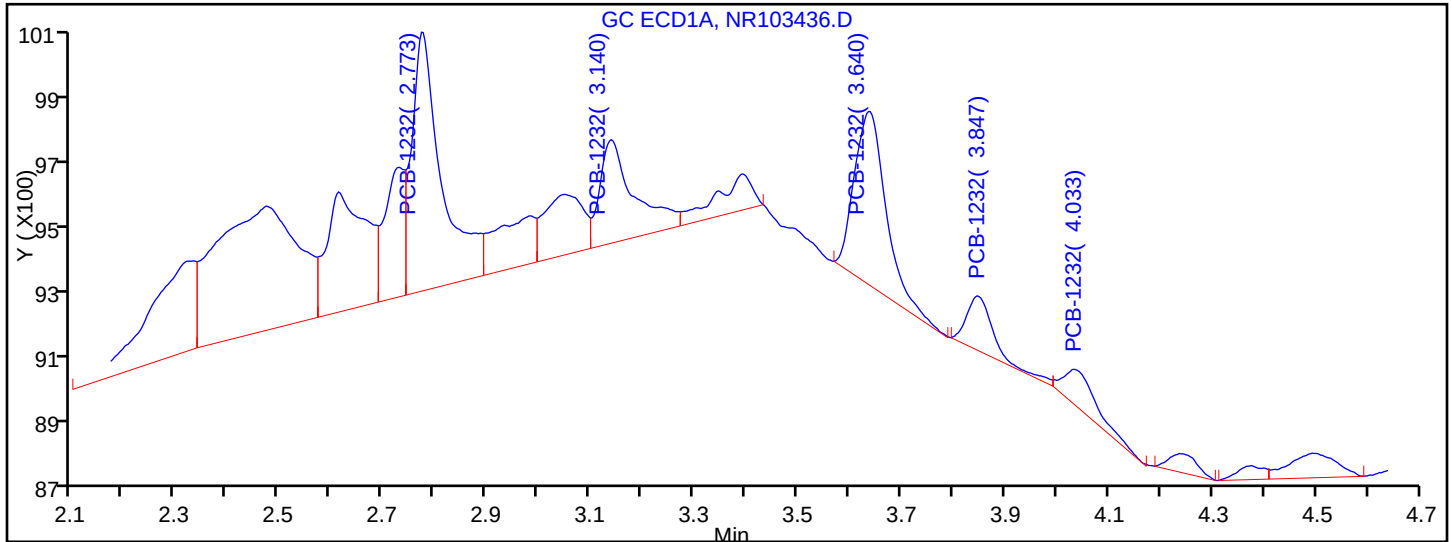


Y Scaling:



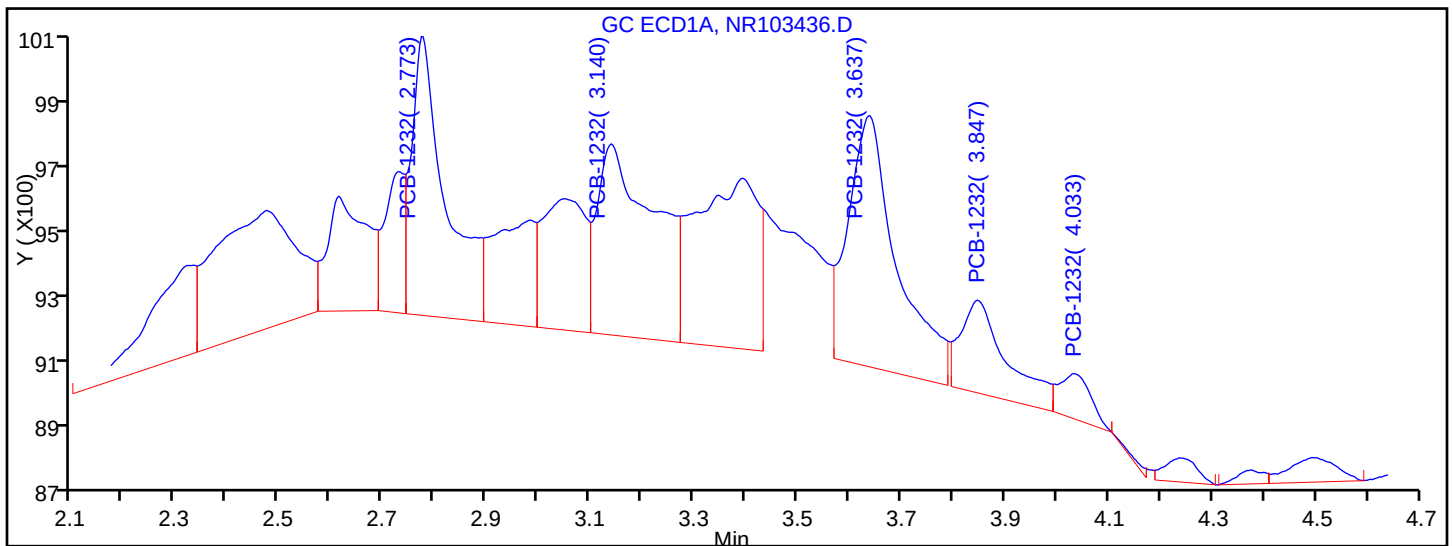
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103436.D
Injection Date: 29-Aug-2013 19:11:31 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 8
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
37 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 2.773	Response = 2964	M
RT = 3.140	Response = 1378	M
RT = 3.640	Response = 2140	M
RT = 3.847	Response = 565	M
RT = 4.033	Response = 475	M



Manual Integration Results

RT = 2.773	Response = 3693	M
RT = 3.140	Response = 4264	M
RT = 3.637	Response = 4892	M
RT = 3.847	Response = 1674	M
RT = 4.033	Response = 636	M

Reviewer: foleysont, 05-Sep-2013 13:44:14

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103437.D
 Lims ID: IC 1232 L2 Client ID:
 Inject. Date: 29-Aug-2013 19:25:05 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 460-0004127-009
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 9
 Lims Batch ID: 178893 Lims Sample ID: 9
 Sublist: chrom-608GC6*sub27
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:36 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

03-Sep-2013 15:30:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

37 PCB-1232 M

1 2.773 2.773 0.0 13486 463.3 M

1 3.137 3.137 0.0 11081 431.5 M

1 3.633 3.633 0.0 19472 495.4 M

1 3.843 3.843 0.0 8255 480.4 M

1 4.037 4.040 -0.003 4469 495.5 M

Average of Peak Amounts = 473.2

2 2.260 2.260 0.0 45021 515.7 M

2 2.507 2.507 0.0 26990 510.1

2 2.833 2.833 0.0 60250 525.0

2 2.940 2.940 0.0 21180 513.5

2 2.990 2.990 0.0 17843 511.1

Average of Peak Amounts = 515.1

RPD = 8.47

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2013 15:27:37

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103437.D

Injection Date: 29-Aug-2013 19:25:05

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 178893

Lims Sample ID: 9

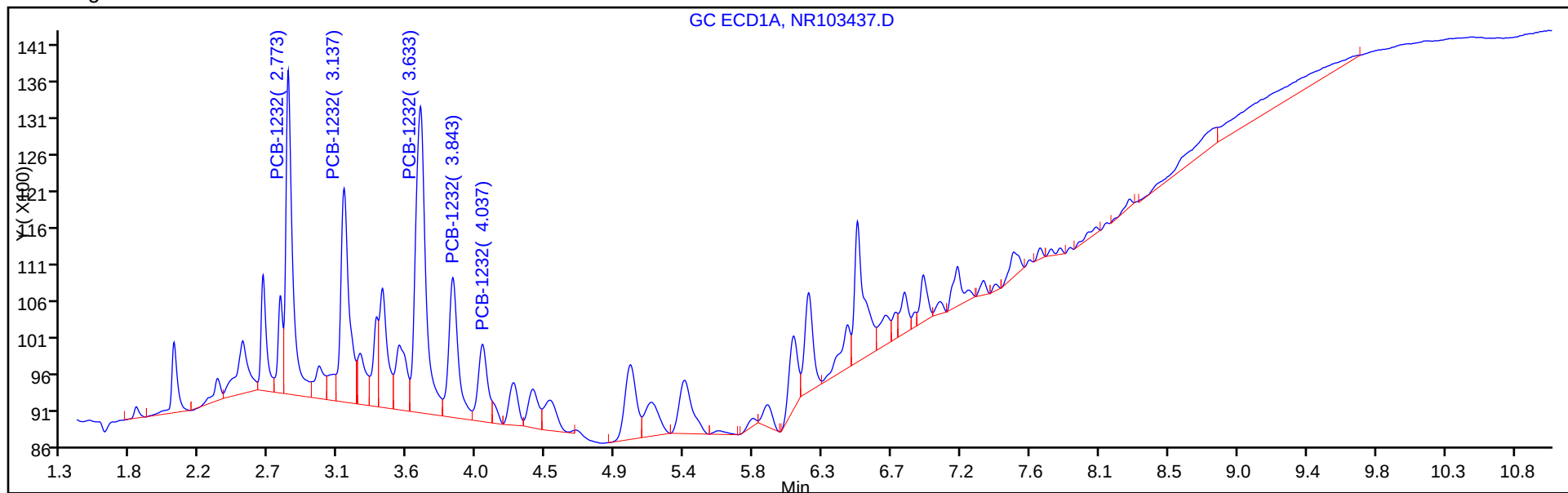
Operator ID:

Injection Vol: 1.0 ul

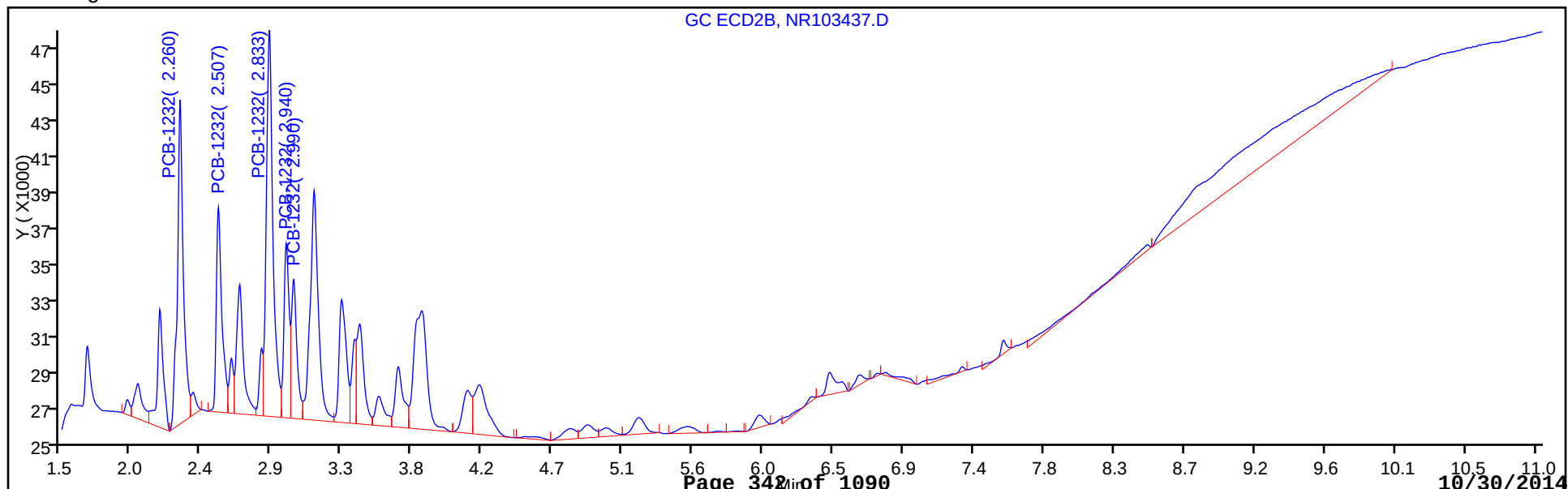
Column Type:

Column Dia:

Y Scaling:



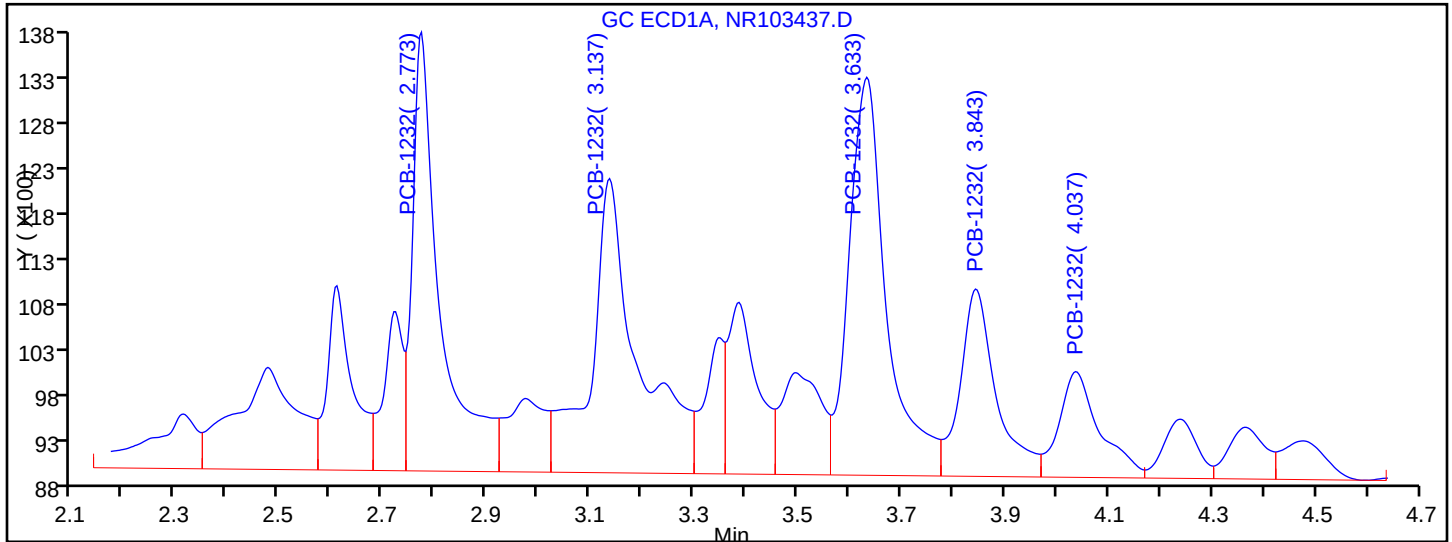
Y Scaling:



TestAmerica Edison

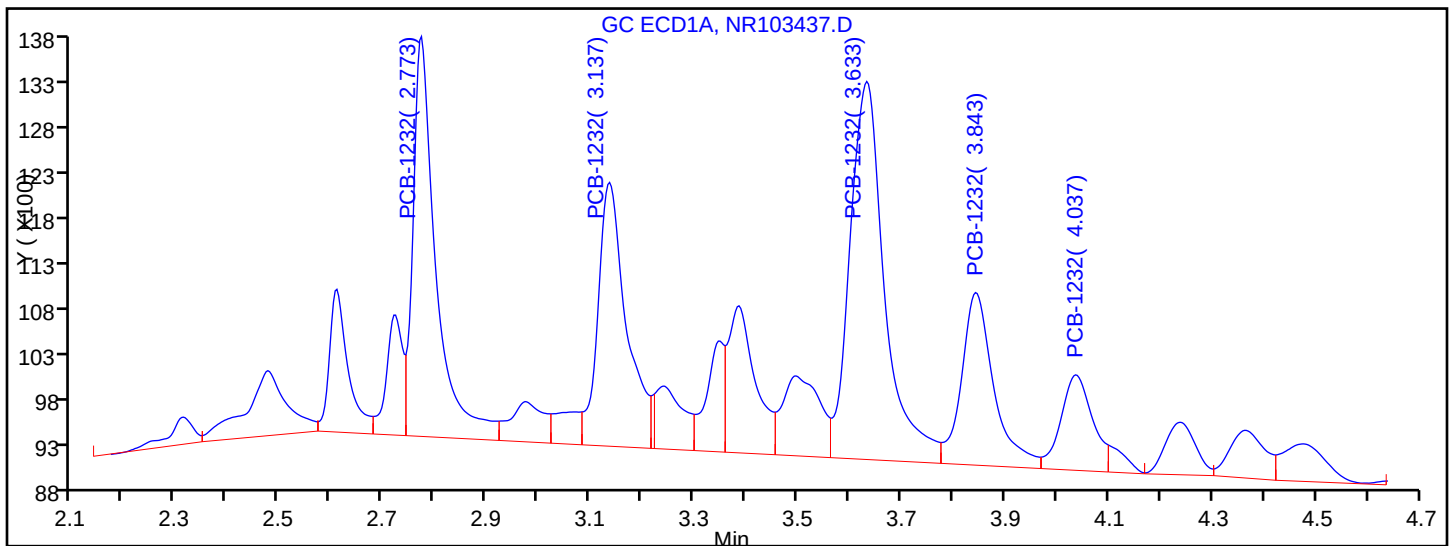
Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103437.D
Injection Date: 29-Aug-2013 19:25:05 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 9
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

37 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 2.773	Response = 17779	M
RT = 3.137	Response = 20360	M
RT = 3.633	Response = 21987	M
RT = 3.843	Response = 9972	M
RT = 4.037	Response = 6346	M



Manual Integration Results

RT = 2.773	Response = 13486	M
RT = 3.137	Response = 11081	M
RT = 3.633	Response = 19472	M
RT = 3.843	Response = 8255	M
RT = 4.037	Response = 4469	M

Reviewer: foleysont, 05-Sep-2013 13:48:12

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103438.D
 Lims ID: IC 1232 L3 Client ID:
 Inject. Date: 29-Aug-2013 19:38:41 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 460-0004127-010
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 10
 Lims Batch ID: 178893 Lims Sample ID: 10
 Sublist: chrom-608GC6*sub27
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:38 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

03-Sep-2013 15:28:35

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

37 PCB-1232 M

1 2.773 2.773 0.0 26966 1103.8

1 3.137 3.137 0.0 22658 1121.6

1 3.633 3.633 0.0 36112 1026.2

1 3.843 3.843 0.0 16354 1014.0

1 4.040 4.040 0.0 8608 944.3 M

Average of Peak Amounts = 1042.0

2 2.260 2.260 0.0 84230 1069.3 M

2 2.507 2.507 0.0 50046 985.2

2 2.833 2.833 0.0 111745 1022.2

2 2.940 2.940 0.0 40291 976.8

2 2.990 2.990 0.0 33516 960.1

Average of Peak Amounts = 1002.7

RPD = 3.84

QC Flag Legend

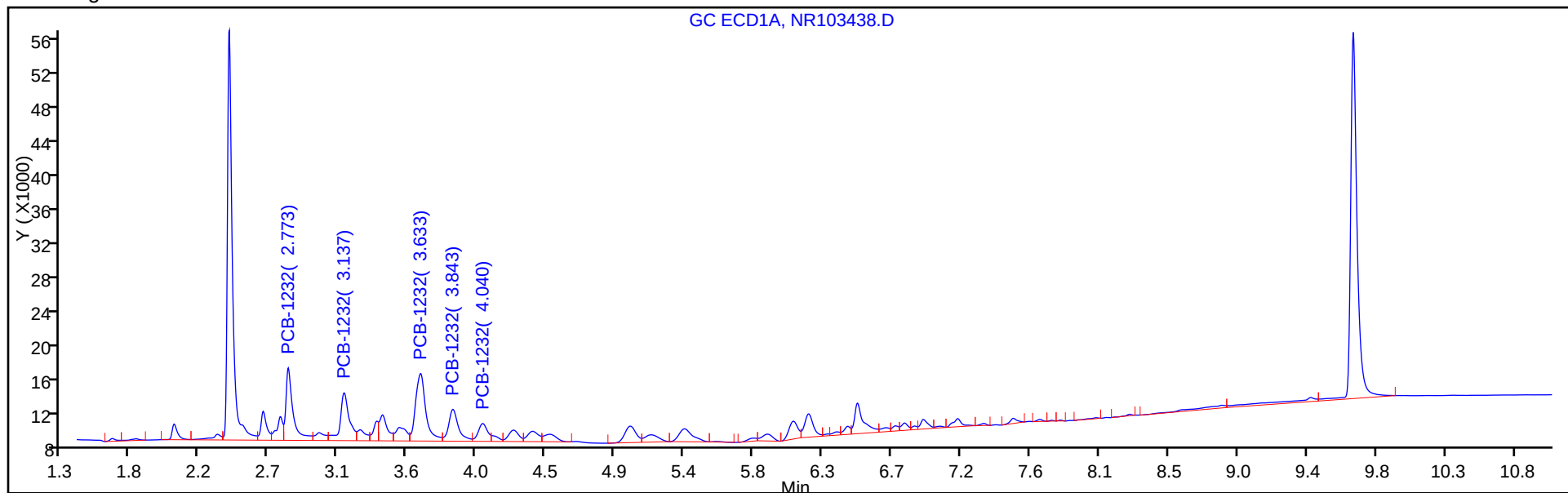
Review Flags

M - Manually Integrated

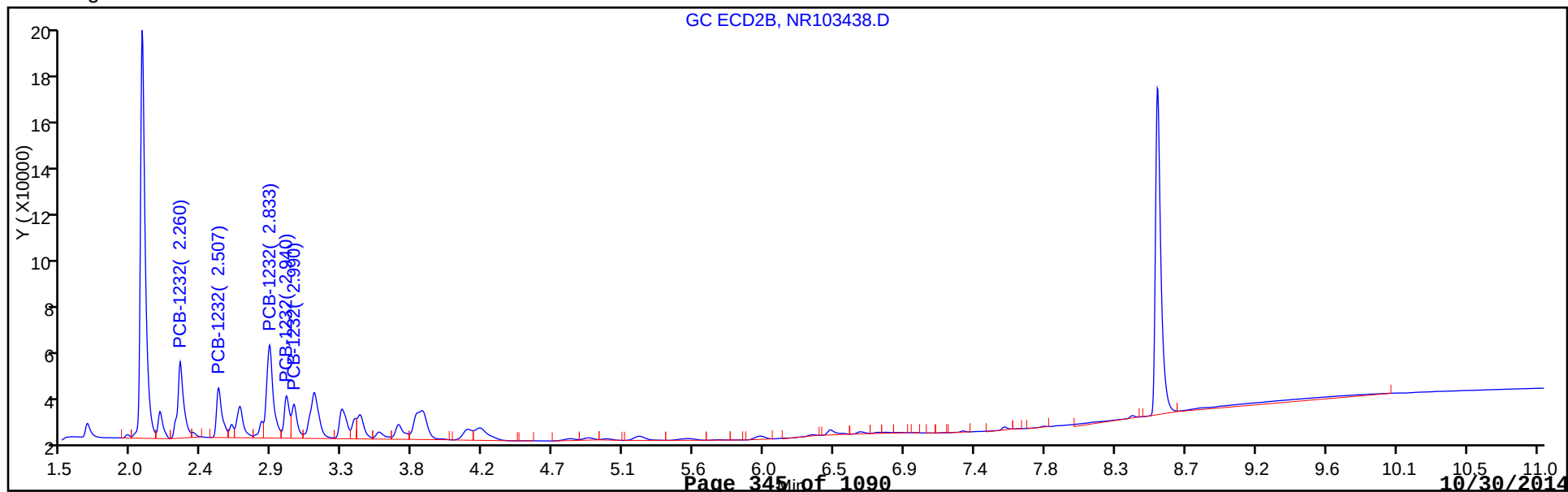
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103438.D
Injection Date: 29-Aug-2013 19:38:41 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 10
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:

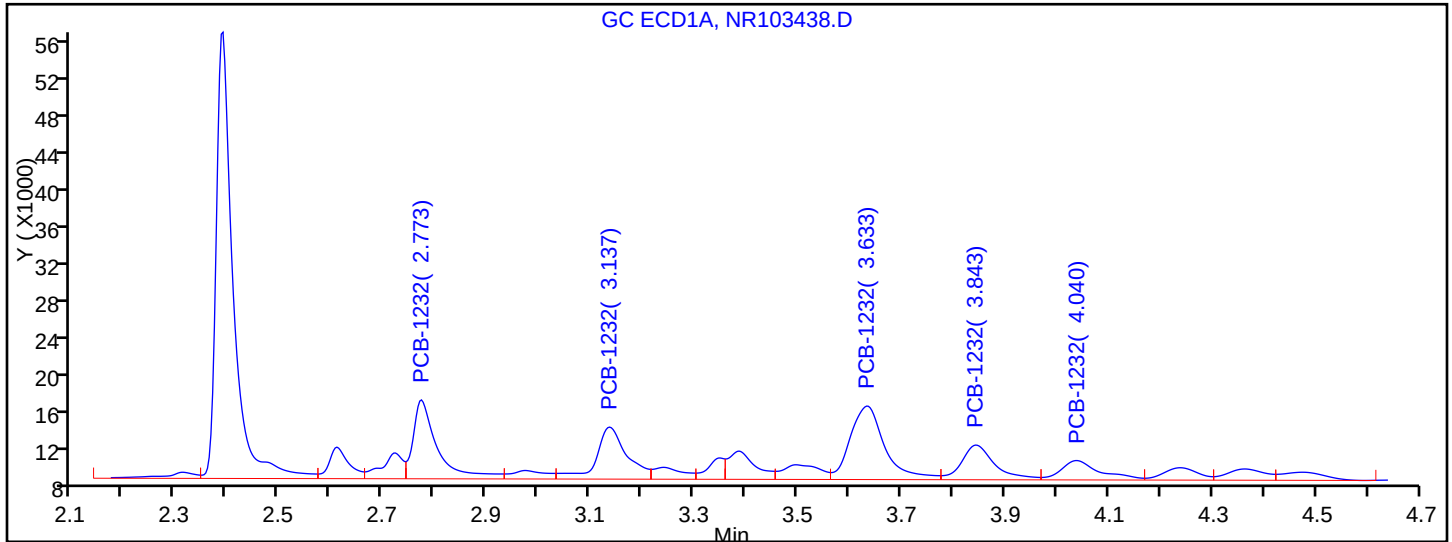


Y Scaling:



TestAmerica Edison

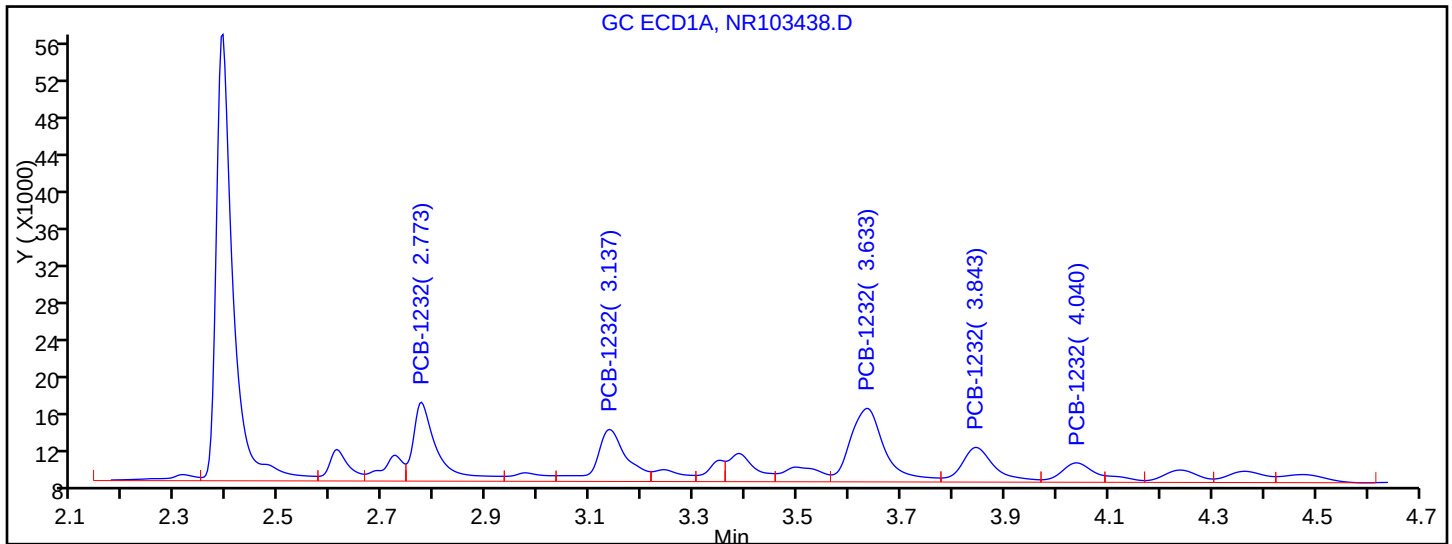
Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103438.D
Injection Date: 29-Aug-2013 19:38:41 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 10
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
37 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 2.773	Response = 26966
RT = 3.137	Response = 22658
RT = 3.633	Response = 36112
RT = 3.843	Response = 16354
RT = 4.040	Response = 10758

M



Manual Integration Results

RT = 2.773	Response = 26966
RT = 3.137	Response = 22658
RT = 3.633	Response = 36112
RT = 3.843	Response = 16354
RT = 4.040	Response = 8608

M

Reviewer: foleysont, 05-Sep-2013 13:44:54

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103439.D
 Lims ID: IC 1232 L4 Client ID:
 Inject. Date: 29-Aug-2013 19:52:58 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 460-0004127-011
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 11
 Lims Batch ID: 178893 Lims Sample ID: 11
 Sublist: chrom-608GC6*sub27
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:39 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

03-Sep-2013 15:28:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

37 PCB-1232 M

1	2.777	2.773	0.004	36251	1544.9	
1	3.140	3.137	0.003	29270	1515.7	
1	3.640	3.633	0.007	51532	1518.1	
1	3.850	3.843	0.007	24124	1525.9	
1	4.047	4.040	0.007	13912	1519.5	M

Average of Peak Amounts = 1524.8

2	2.260	2.260	0.0	112912	1474.3	M
2	2.503	2.507	-0.004	73709	1472.8	
2	2.833	2.833	0.0	161642	1503.9	
2	2.940	2.940	0.0	56636	1373.1	
2	2.987	2.990	-0.003	50685	1452.0	

Average of Peak Amounts = 1455.2

RPD = 4.67

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2013 15:27:39

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103439.D

Injection Date: 29-Aug-2013 19:52:58

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 178893

Lims Sample ID: 11

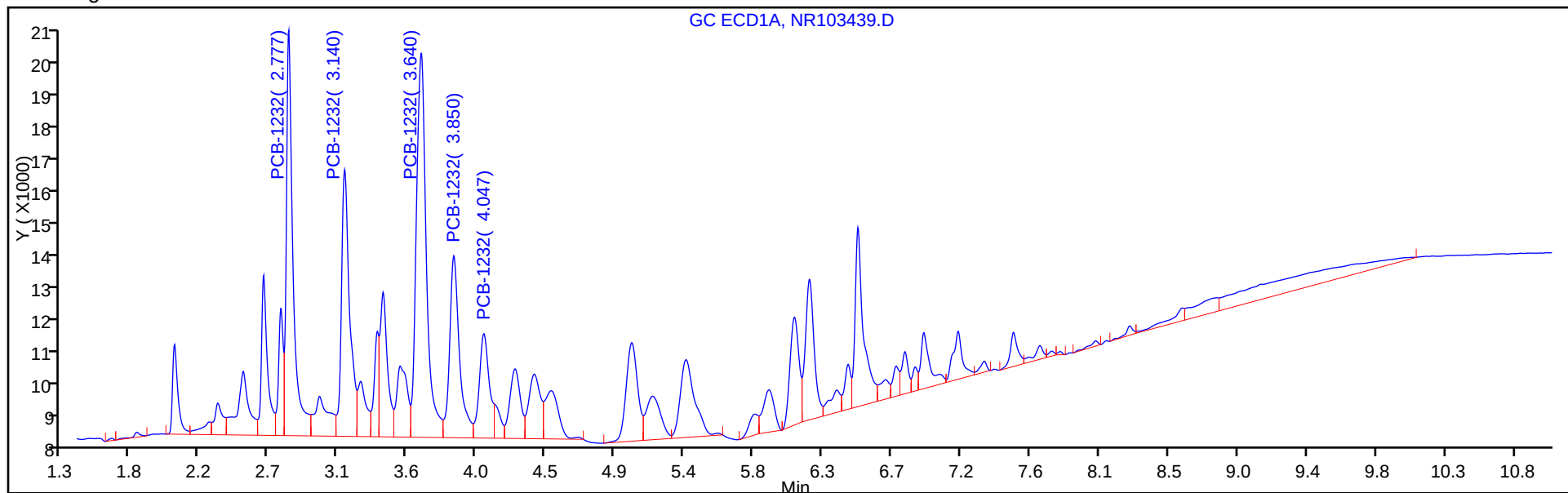
Operator ID:

Injection Vol: 1.0 ul

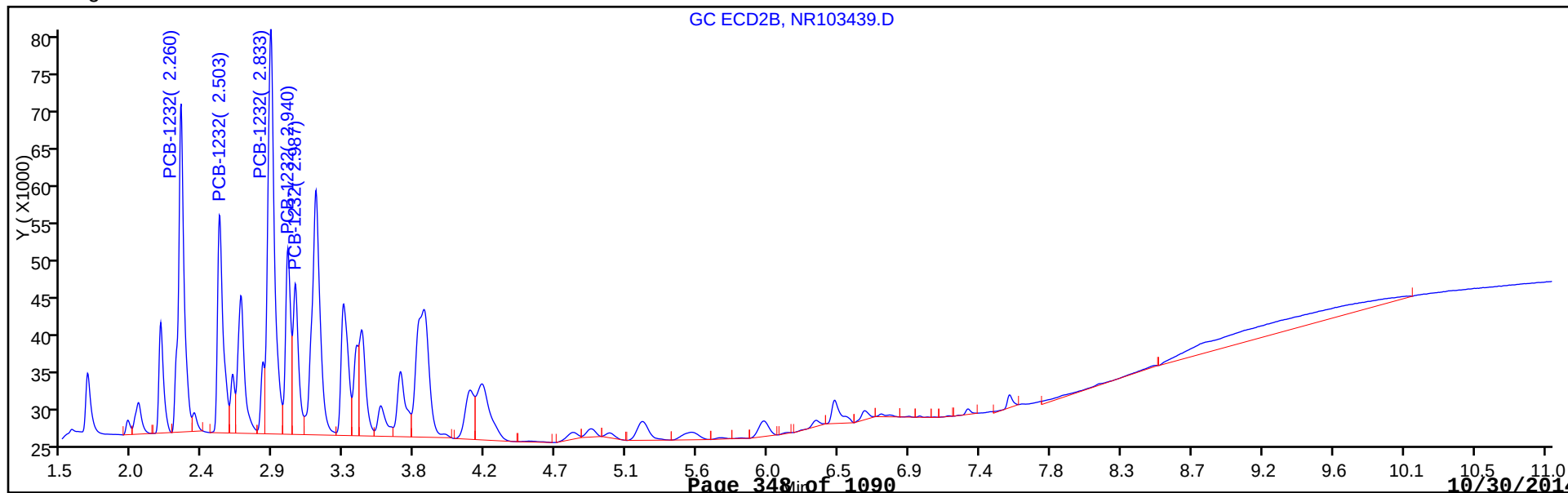
Column Type:

Column Dia:

Y Scaling:

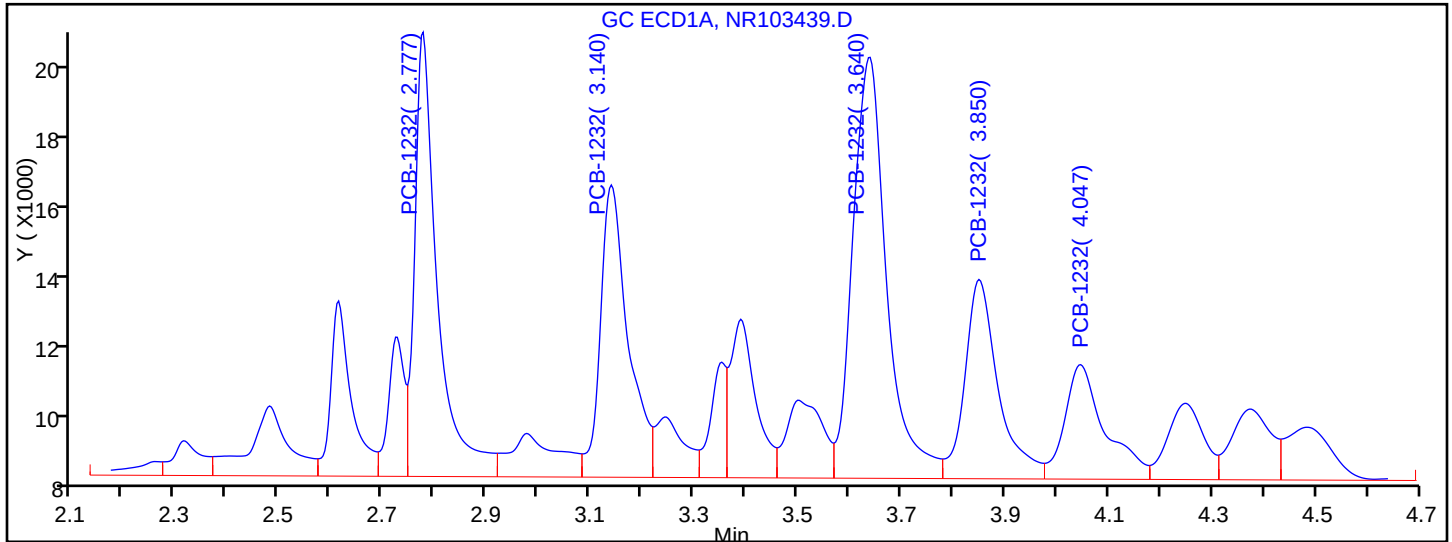


Y Scaling:



TestAmerica Edison

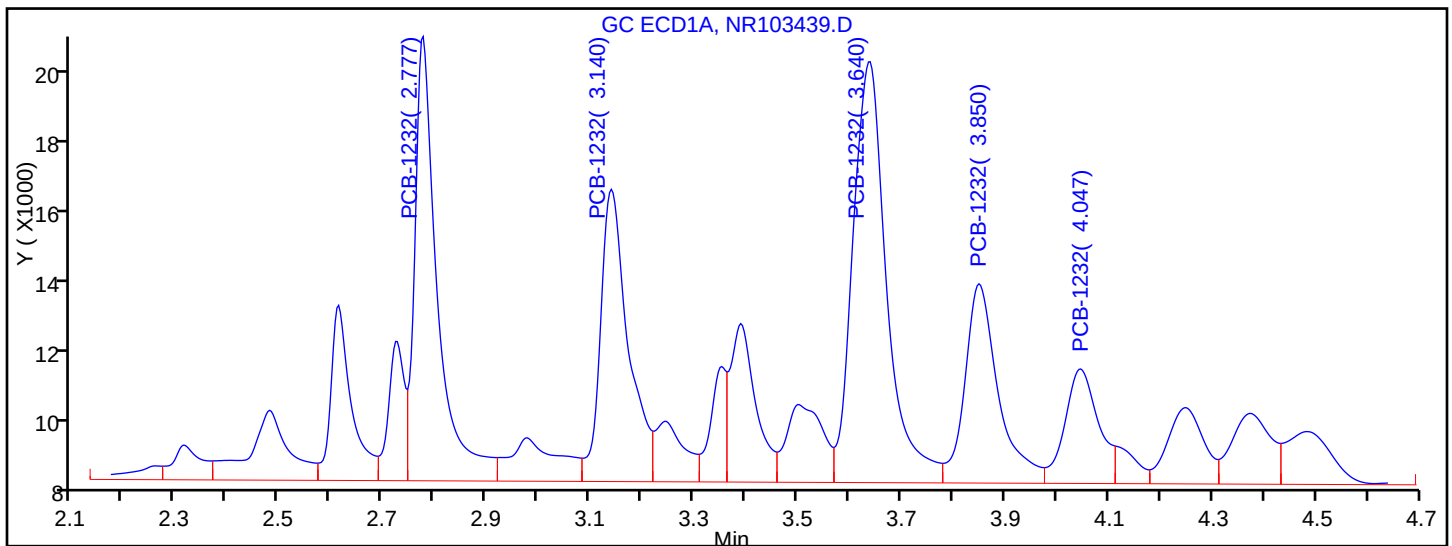
Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103439.D
Injection Date: 29-Aug-2013 19:52:58 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 11
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
37 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 2.777	Response = 36251
RT = 3.140	Response = 29270
RT = 3.640	Response = 51532
RT = 3.850	Response = 24124
RT = 4.047	Response = 16722

M



Manual Integration Results

RT = 2.777	Response = 36251
RT = 3.140	Response = 29270
RT = 3.640	Response = 51532
RT = 3.850	Response = 24124
RT = 4.047	Response = 13912

M

Reviewer: foleysont, 05-Sep-2013 13:46:42

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103440.D
 Lims ID: IC 1232 L5 Client ID:
 Inject. Date: 29-Aug-2013 20:07:16 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 460-0004127-012
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 178893 Lims Sample ID: 12
 Sublist: chrom-608GC6*sub27
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:40 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

03-Sep-2013 15:43:09

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

37 PCB-1232 M

1 2.773 2.773 0.0 55091 2439.9

1 3.140 3.137 0.003 45048 2456.2

1 3.637 3.633 0.004 81684 2480.0

1 3.850 3.843 0.007 38647 2482.8

1 4.047 4.040 0.007 23054 2510.9 M

Average of Peak Amounts = 2474.0

2 2.260 2.260 0.0 184527 2485.4

2 2.503 2.507 -0.004 124524 2520.0

2 2.830 2.833 -0.003 263211 2484.5

2 2.940 2.940 0.0 94360 2287.7

2 2.987 2.990 -0.003 84920 2432.7

Average of Peak Amounts = 2442.1

RPD = 1.30

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2013 15:27:40

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103440.D

Injection Date: 29-Aug-2013 20:07:16

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 178893

Lims Sample ID: 12

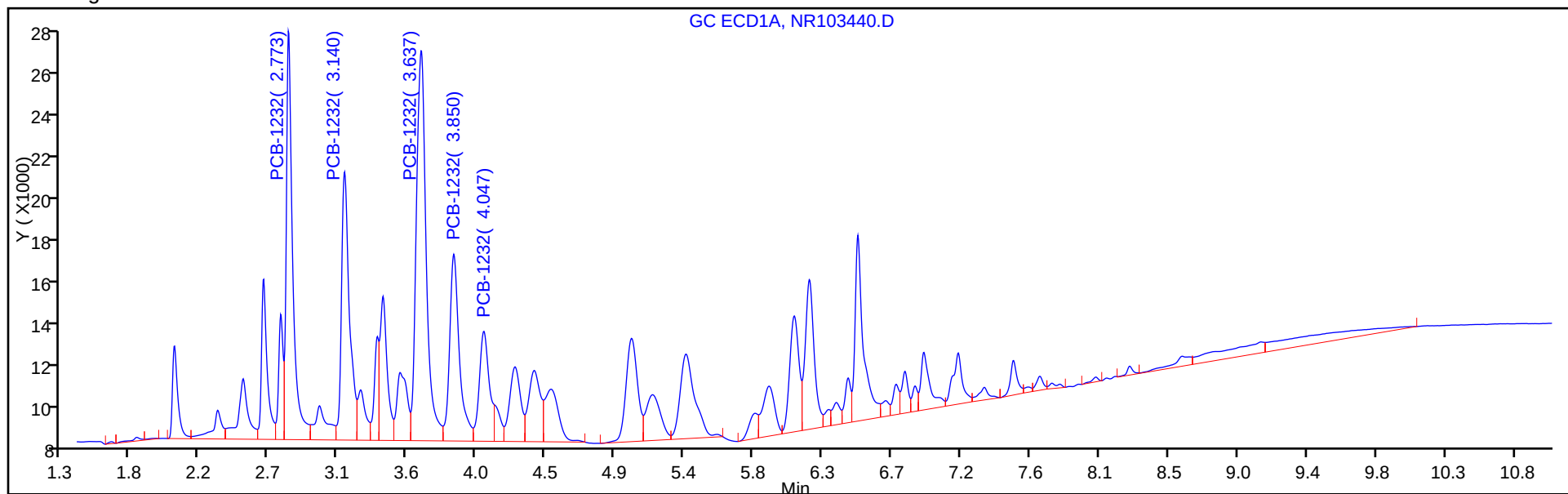
Operator ID:

Injection Vol: 1.0 ul

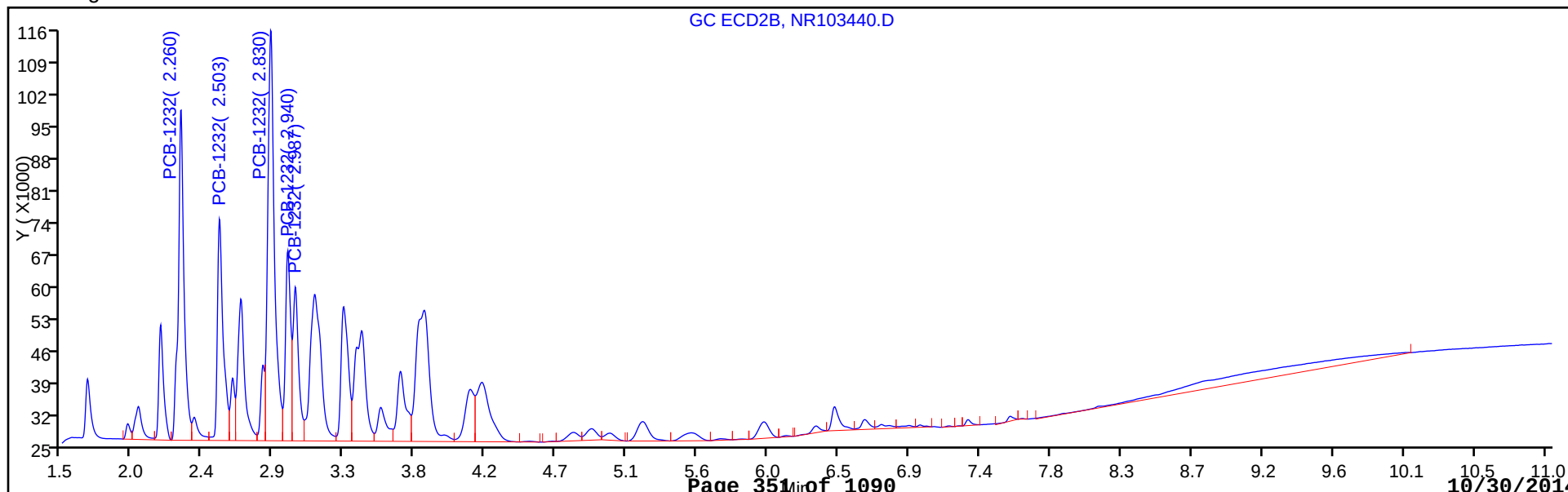
Column Type:

Column Dia:

Y Scaling:



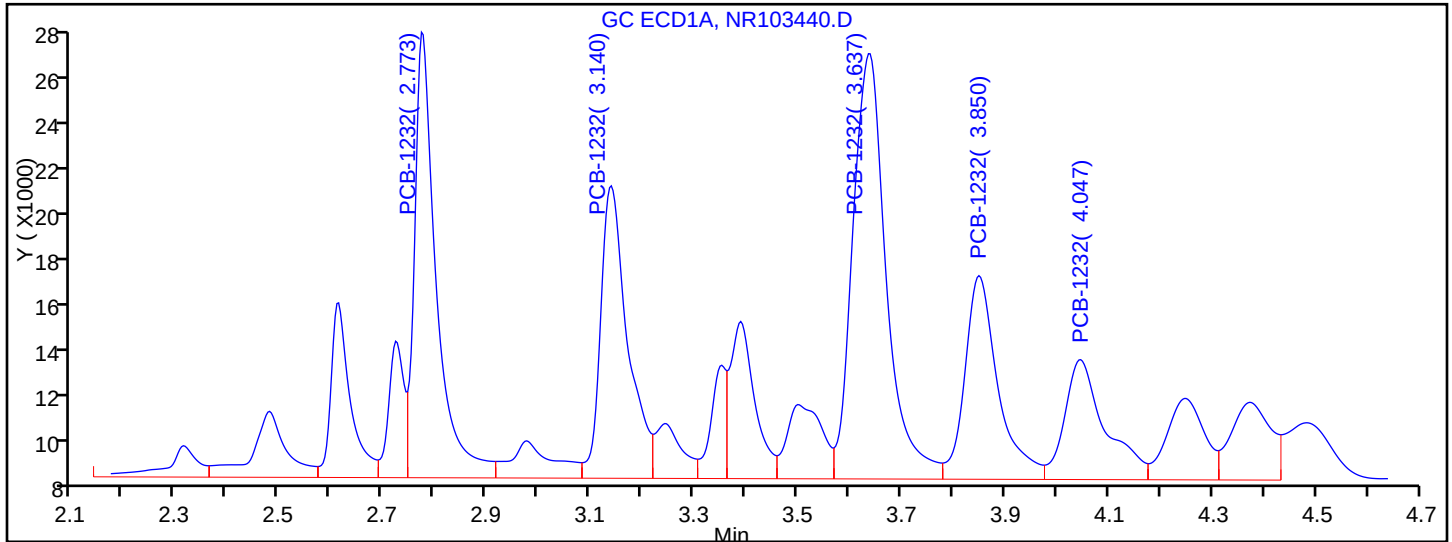
Y Scaling:



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103440.D
Injection Date: 29-Aug-2013 20:07:16 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 12
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

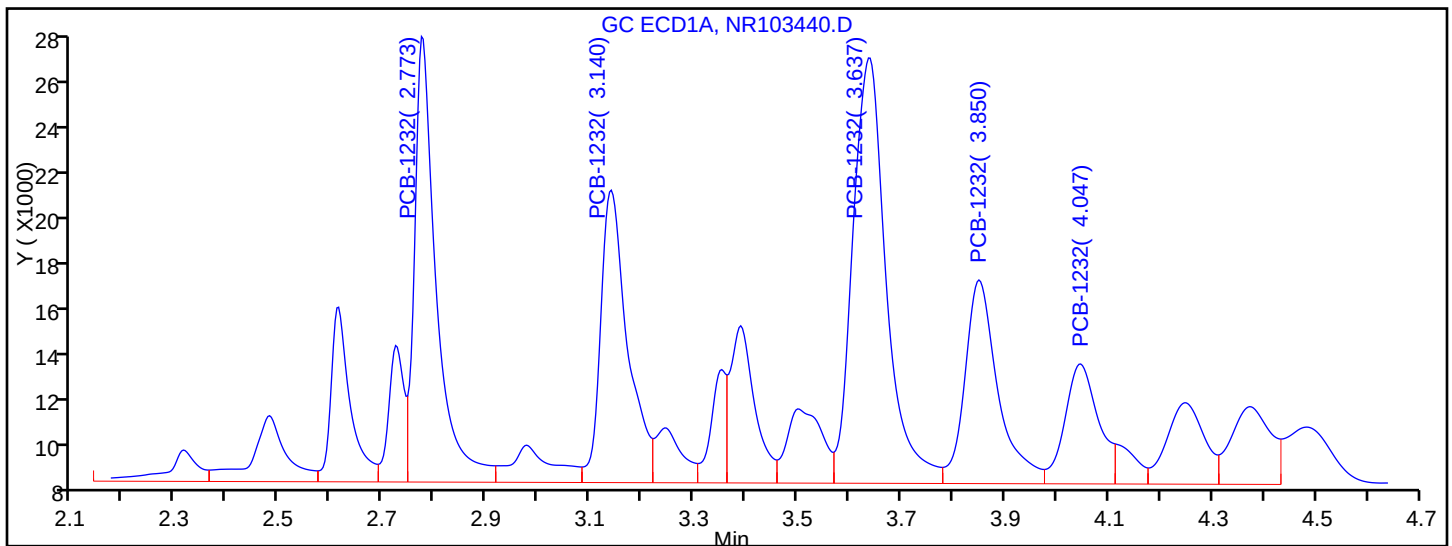
37 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 2.773	Response = 55091
RT = 3.140	Response = 45048
RT = 3.637	Response = 81684
RT = 3.850	Response = 38647
RT = 4.047	Response = 27729

M



Manual Integration Results

RT = 2.773	Response = 55091
RT = 3.140	Response = 45048
RT = 3.637	Response = 81684
RT = 3.850	Response = 38647
RT = 4.047	Response = 23054

M

Reviewer: foleysont, 03-Sep-2013 15:43:17

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 19:11 Calibration End Date: 08/29/2013 20:07 Calibration ID: 29070

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/8	NR103436.D
Level 2	IC 460-178893/9	NR103437.D
Level 3	IC 460-178893/10	NR103438.D
Level 4	IC 460-178893/11	NR103439.D
Level 5	IC 460-178893/12	NR103440.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1232 Peak 1	2.260	2.260	2.260	2.260	2.260						2.160 - 2.360	2.260
PCB-1232 Peak 2	2.507	2.507	2.507	2.503	2.503						2.407 - 2.607	2.505
PCB-1232 Peak 3	2.833	2.833	2.833	2.833	2.830						2.733 - 2.933	2.832
PCB-1232 Peak 4	2.940	2.940	2.940	2.940	2.940						2.840 - 3.040	2.940
PCB-1232 Peak 5	2.990	2.990	2.990	2.987	2.987						2.890 - 3.090	2.989

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 19:11 Calibration End Date: 08/29/2013 20:07 Calibration ID: 29070

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/8	NR103436.D
Level 2	IC 460-178893/9	NR103437.D
Level 3	IC 460-178893/10	NR103438.D
Level 4	IC 460-178893/11	NR103439.D
Level 5	IC 460-178893/12	NR103440.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 3	LVL 4		B	M1	M2								
PCB-1232 Peak 1	177.24 73.811	90.042	84.230	75.275	Lin	8493.72912	70.8258296							0.9980		0.9900
PCB-1232 Peak 2	104.80 49.810	53.980	50.046	49.139	Lin	2236.04942	48.5277032							1.0000		0.9900
PCB-1232 Peak 3	147.18 105.28	120.50	111.75	107.76	Lin	5867.81013	103.579811							0.9990		0.9900
PCB-1232 Peak 4	48.080 37.744	42.360	40.291	37.757	Ave		41.2464667				10.0		10.0			
PCB-1232 Peak 5	37.580 33.968	35.686	33.516	33.790	Ave		34.9080000				4.9		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 19:11 Calibration End Date: 08/29/2013 20:07 Calibration ID: 29070

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/8	NR103436.D
Level 2	IC 460-178893/9	NR103437.D
Level 3	IC 460-178893/10	NR103438.D
Level 4	IC 460-178893/11	NR103439.D
Level 5	IC 460-178893/12	NR103440.D

ANALYTE	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
PCB-1232 Peak 1	Lin	8862	45021	84230	112912	184527	50.0	500	1000	1500	2500
PCB-1232 Peak 2	Lin	5240	26990	50046	73709	124524	50.0	500	1000	1500	2500
PCB-1232 Peak 3	Lin	7359	60250	111745	161642	263211	50.0	500	1000	1500	2500
PCB-1232 Peak 4	Ave	2404	21180	40291	56636	94360	50.0	500	1000	1500	2500
PCB-1232 Peak 5	Ave	1879	17843	33516	50685	84920	50.0	500	1000	1500	2500

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103436.D
 Lims ID: IC 1232 L1 Client ID:
 Inject. Date: 29-Aug-2013 19:11:31 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 460-0004127-008
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 8
 Lims Batch ID: 178893 Lims Sample ID: 8
 Sublist: chrom-608GC6*sub27
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:35 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

03-Sep-2013 15:32:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

37 PCB-1232 M

1 2.773 2.773 0.0 3693 -1.91 M

1 3.140 3.137 0.003 4264 25.1 M

1 3.637 3.633 0.004 4892 30.3 M

1 3.847 3.843 0.004 1674 46.8 M

1 4.033 4.040 -0.007 636 79.8 M

Average of Peak Amounts = 36.0

2 2.260 2.260 0.0 8862 5.20 M

2 2.507 2.507 0.0 5240 61.9

2 2.833 2.833 0.0 7359 14.4 M

2 2.940 2.940 0.0 2404 58.3

2 2.990 2.990 0.0 1879 53.8

Average of Peak Amounts = 38.7

RPD = 7.20

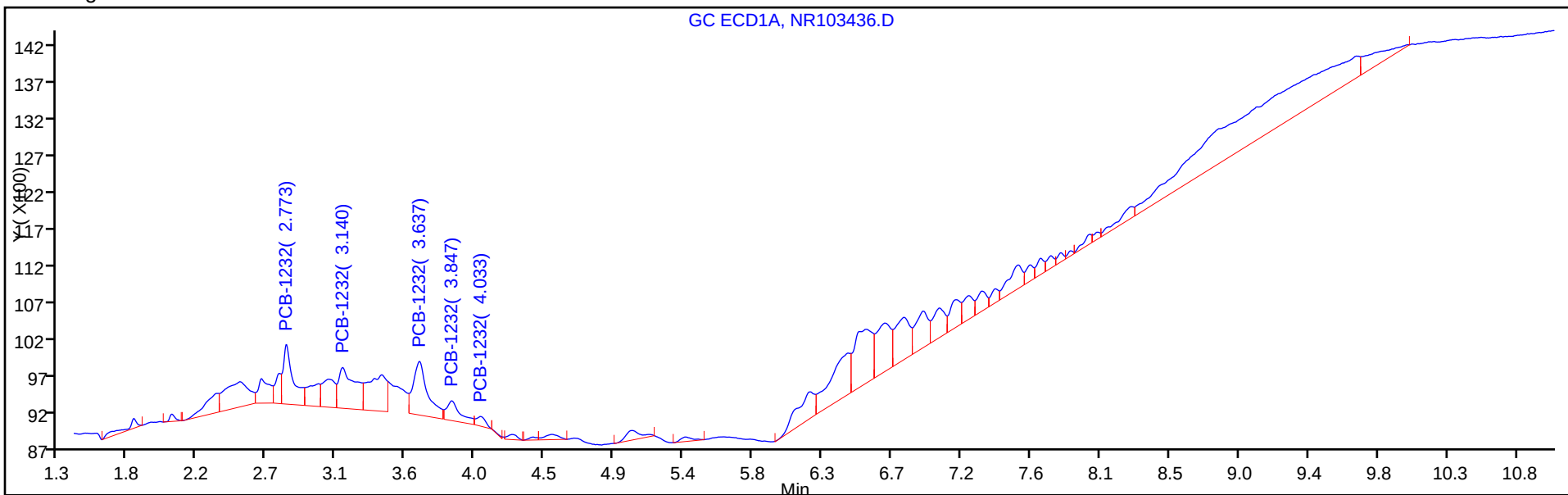
QC Flag Legend

Review Flags

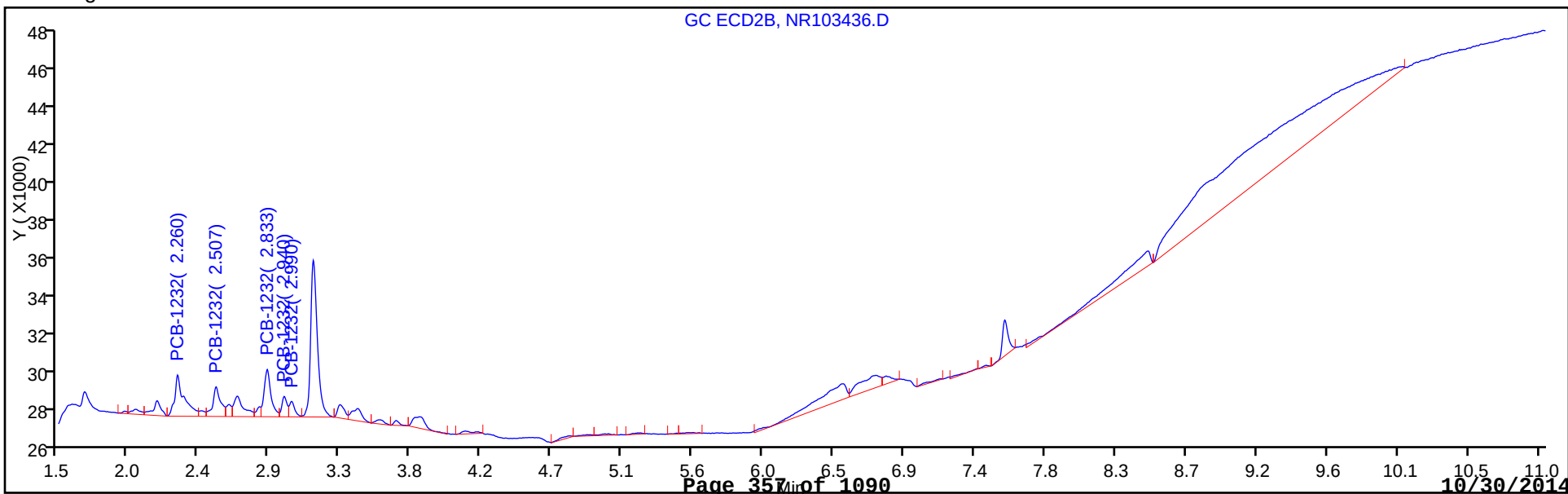
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103436.D
Injection Date: 29-Aug-2013 19:11:31 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 8
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



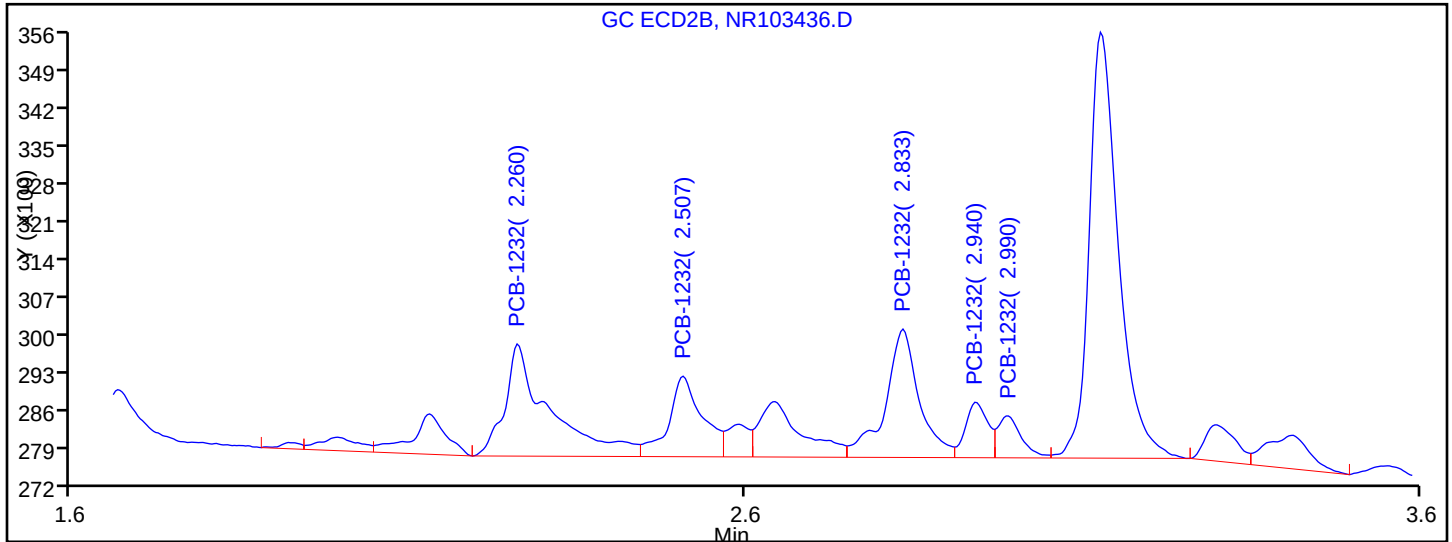
Y Scaling:



TestAmerica Edison

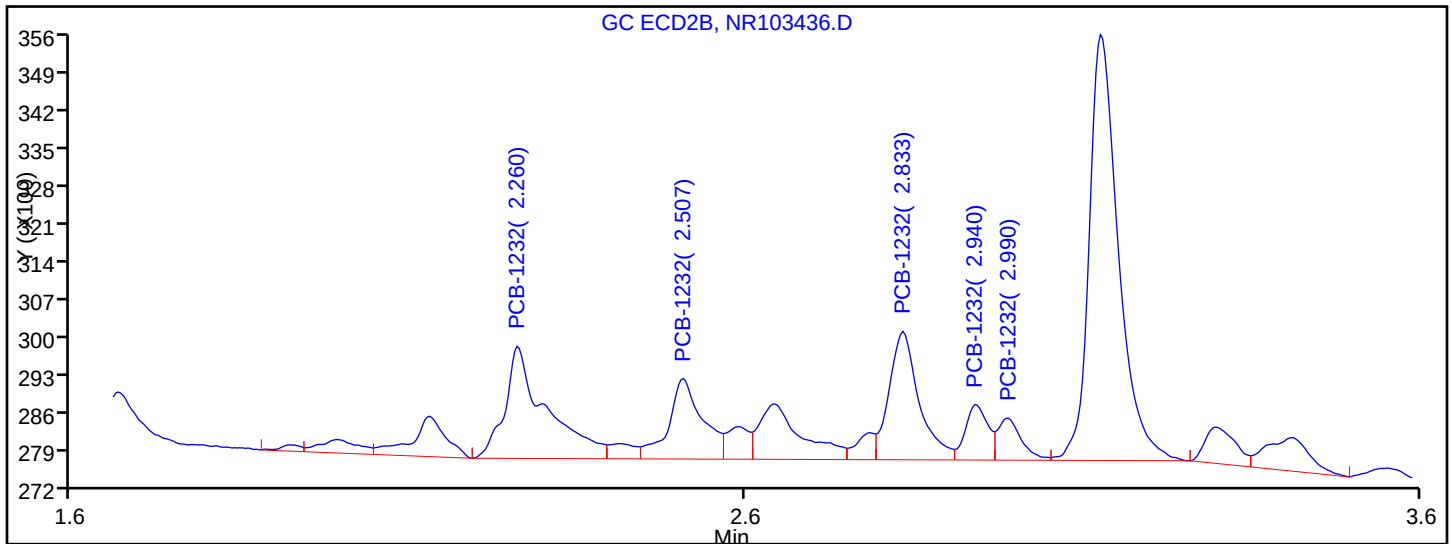
Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103436.D
Injection Date: 29-Aug-2013 19:11:31 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 8
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

37 PCB-1232, Detector: 2, GC ECD2B



Processing Integration Results

RT = 2.260	Response = 9641	M
RT = 2.507	Response = 5240	
RT = 2.833	Response = 8336	M
RT = 2.940	Response = 2404	
RT = 2.990	Response = 1879	



Manual Integration Results

RT = 2.260	Response = 8862	M
RT = 2.507	Response = 5240	
RT = 2.833	Response = 7359	M
RT = 2.940	Response = 2404	
RT = 2.990	Response = 1879	

Reviewer: foleysont, 05-Sep-2013 13:44:14

Audit Action: Split an Integrated Peak

Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103437.D
 Lims ID: IC 1232 L2 Client ID:
 Inject. Date: 29-Aug-2013 19:25:05 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 460-0004127-009
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 9
 Lims Batch ID: 178893 Lims Sample ID: 9
 Sublist: chrom-608GC6*sub27
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:36 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

03-Sep-2013 15:30:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

37 PCB-1232 M

1 2.773 2.773 0.0 13486 463.3 M

1 3.137 3.137 0.0 11081 431.5 M

1 3.633 3.633 0.0 19472 495.4 M

1 3.843 3.843 0.0 8255 480.4 M

1 4.037 4.040 -0.003 4469 495.5 M

Average of Peak Amounts = 473.2

2 2.260 2.260 0.0 45021 515.7 M

2 2.507 2.507 0.0 26990 510.1

2 2.833 2.833 0.0 60250 525.0

2 2.940 2.940 0.0 21180 513.5

2 2.990 2.990 0.0 17843 511.1

Average of Peak Amounts = 515.1

RPD = 8.47

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2013 15:27:37

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103437.D

Injection Date: 29-Aug-2013 19:25:05

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 178893

Lims Sample ID: 9

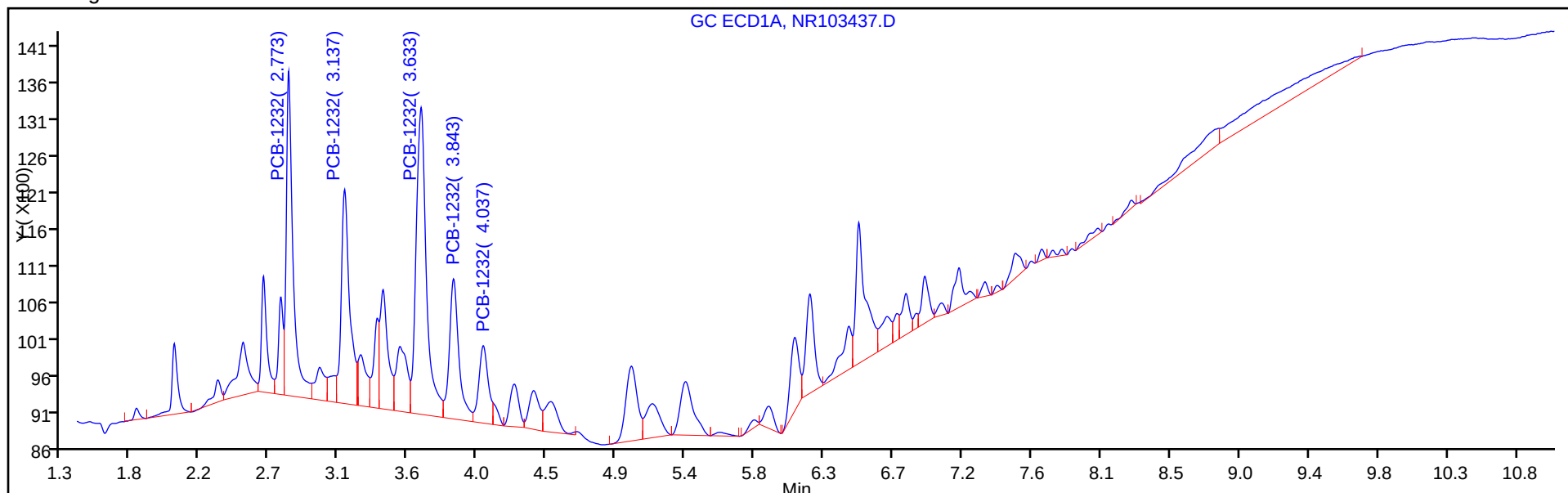
Operator ID:

Injection Vol: 1.0 ul

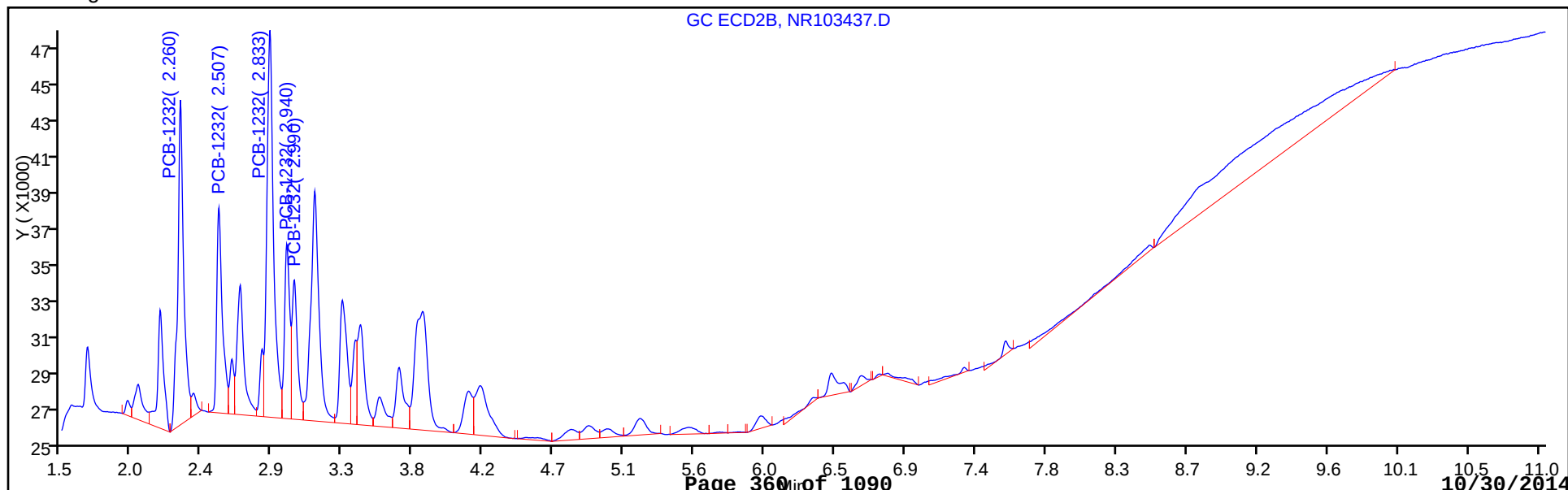
Column Type:

Column Dia:

Y Scaling:



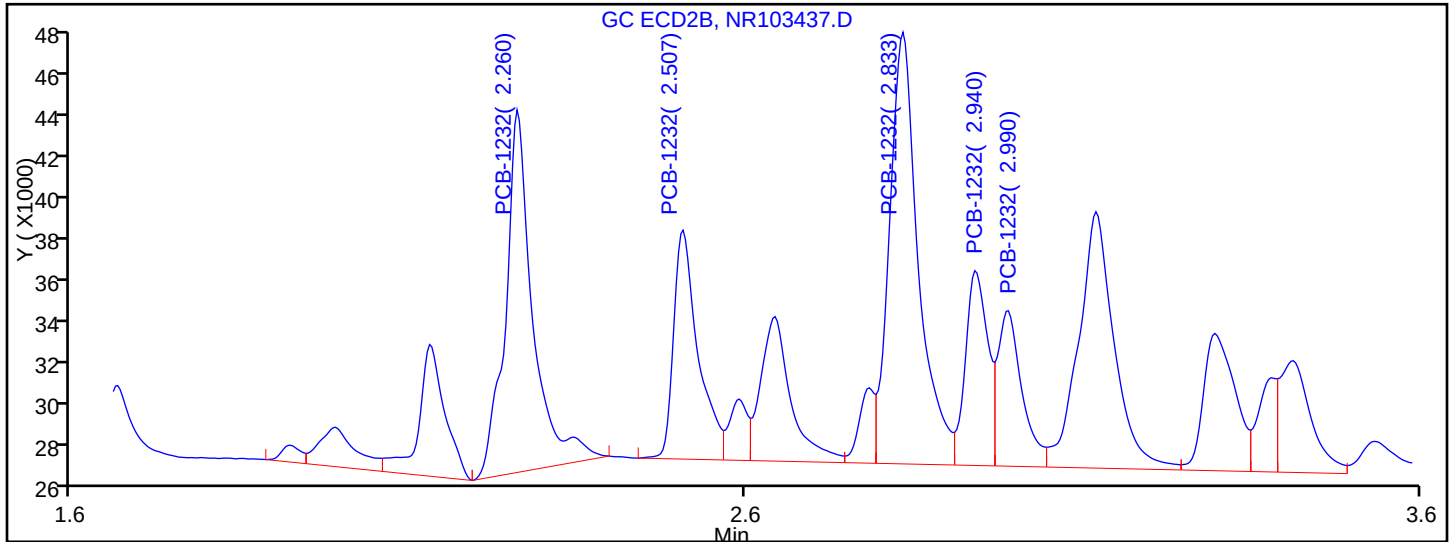
Y Scaling:



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103437.D
Injection Date: 29-Aug-2013 19:25:05 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 9
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

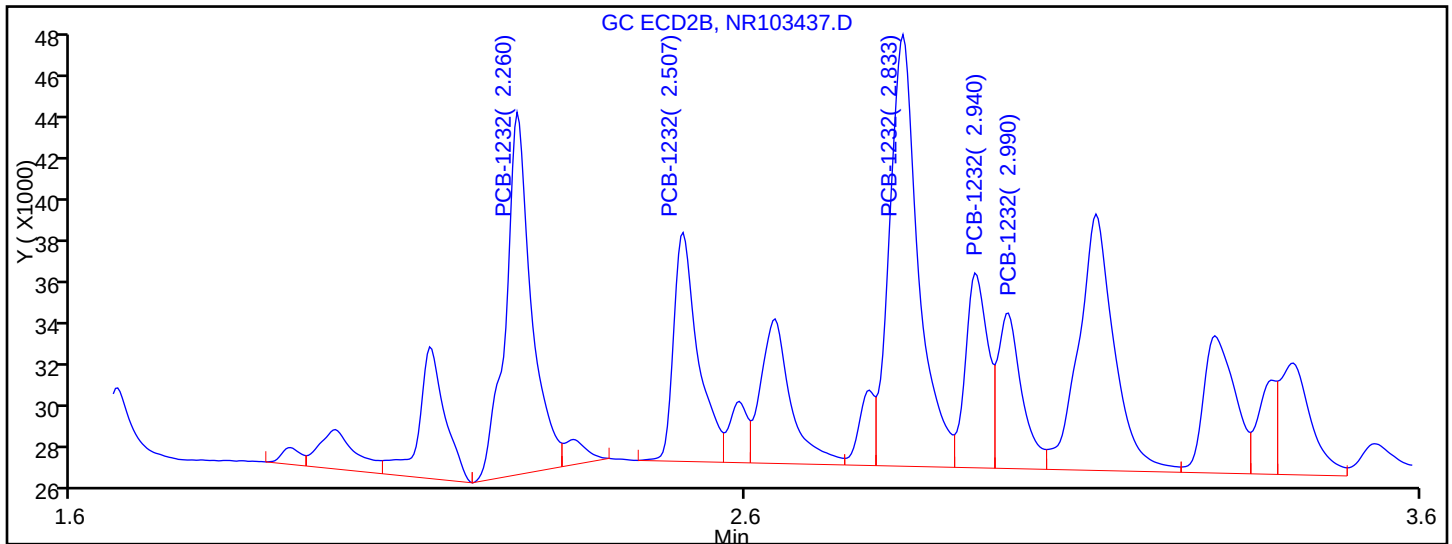
37 PCB-1232, Detector: 2, GC ECD2B



Processing Integration Results

RT = 2.260	Response = 47733
RT = 2.507	Response = 26990
RT = 2.833	Response = 60250
RT = 2.940	Response = 21180
RT = 2.990	Response = 17843

M



Manual Integration Results

RT = 2.260	Response = 45021
RT = 2.507	Response = 26990
RT = 2.833	Response = 60250
RT = 2.940	Response = 21180
RT = 2.990	Response = 17843

M

Reviewer: foleysont, 05-Sep-2013 13:48:12

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103438.D
 Lims ID: IC 1232 L3 Client ID:
 Inject. Date: 29-Aug-2013 19:38:41 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 460-0004127-010
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 10
 Lims Batch ID: 178893 Lims Sample ID: 10
 Sublist: chrom-608GC6*sub27
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:38 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

03-Sep-2013 15:28:35

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

37 PCB-1232 M

1	2.773	2.773	0.0	26966	1103.8	
1	3.137	3.137	0.0	22658	1121.6	
1	3.633	3.633	0.0	36112	1026.2	
1	3.843	3.843	0.0	16354	1014.0	
1	4.040	4.040	0.0	8608	944.3	M

Average of Peak Amounts = 1042.0

2	2.260	2.260	0.0	84230	1069.3	M
2	2.507	2.507	0.0	50046	985.2	
2	2.833	2.833	0.0	111745	1022.2	
2	2.940	2.940	0.0	40291	976.8	
2	2.990	2.990	0.0	33516	960.1	

Average of Peak Amounts = 1002.7

RPD = 3.84

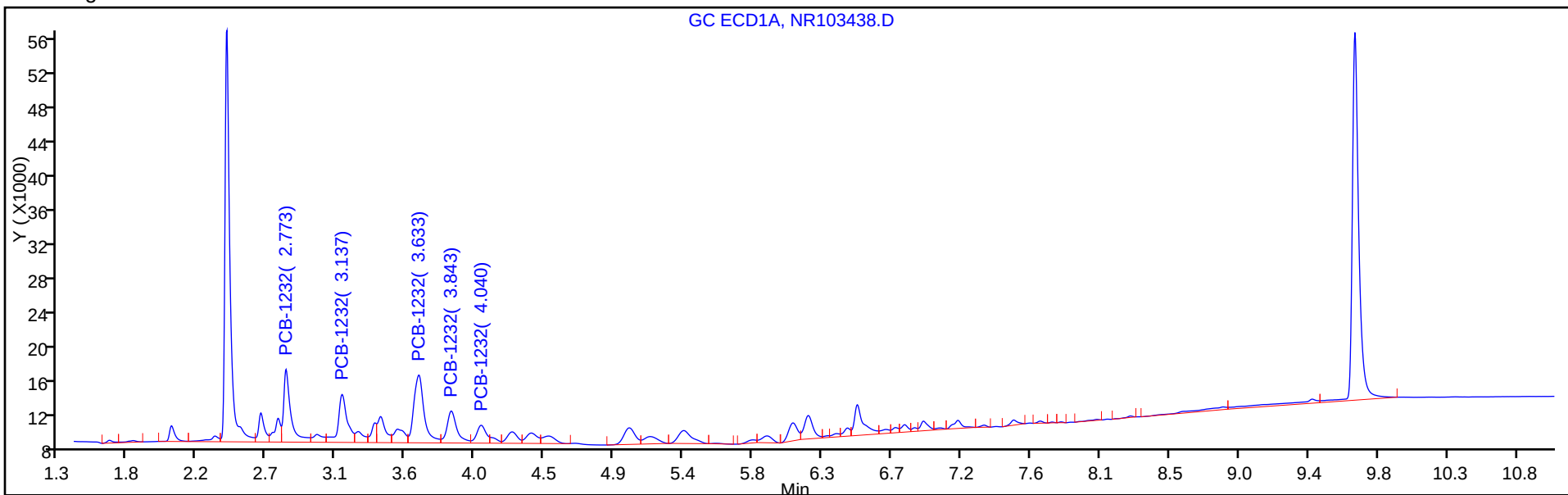
QC Flag Legend

Review Flags

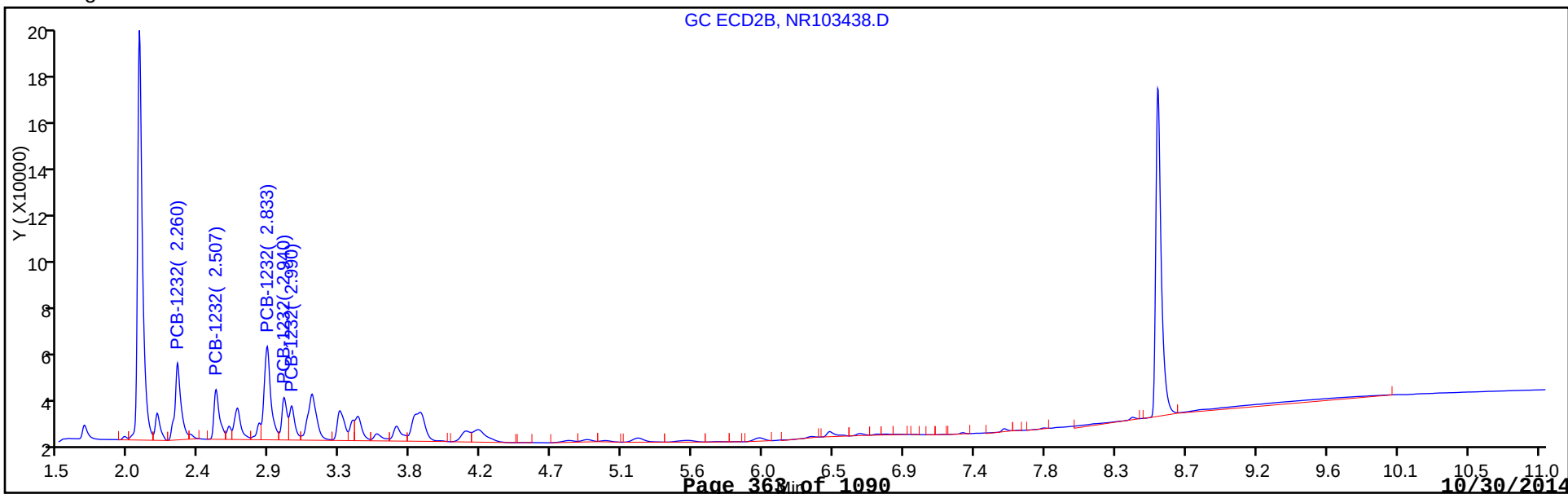
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103438.D
Injection Date: 29-Aug-2013 19:38:41 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 10
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



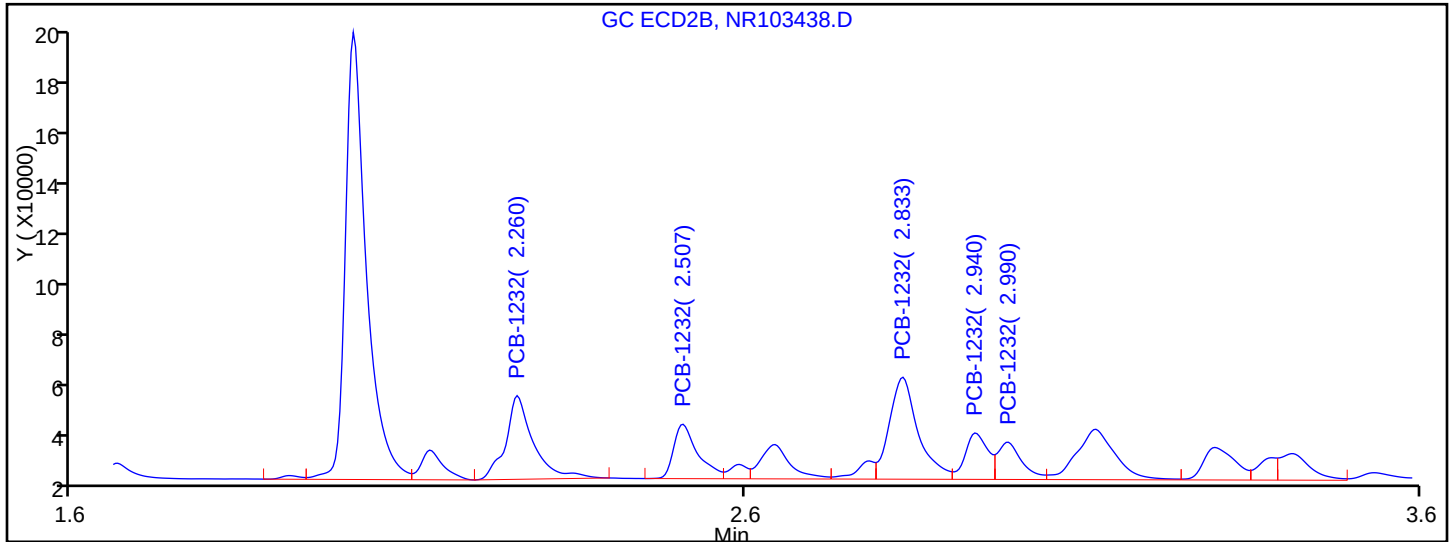
Y Scaling:



TestAmerica Edison

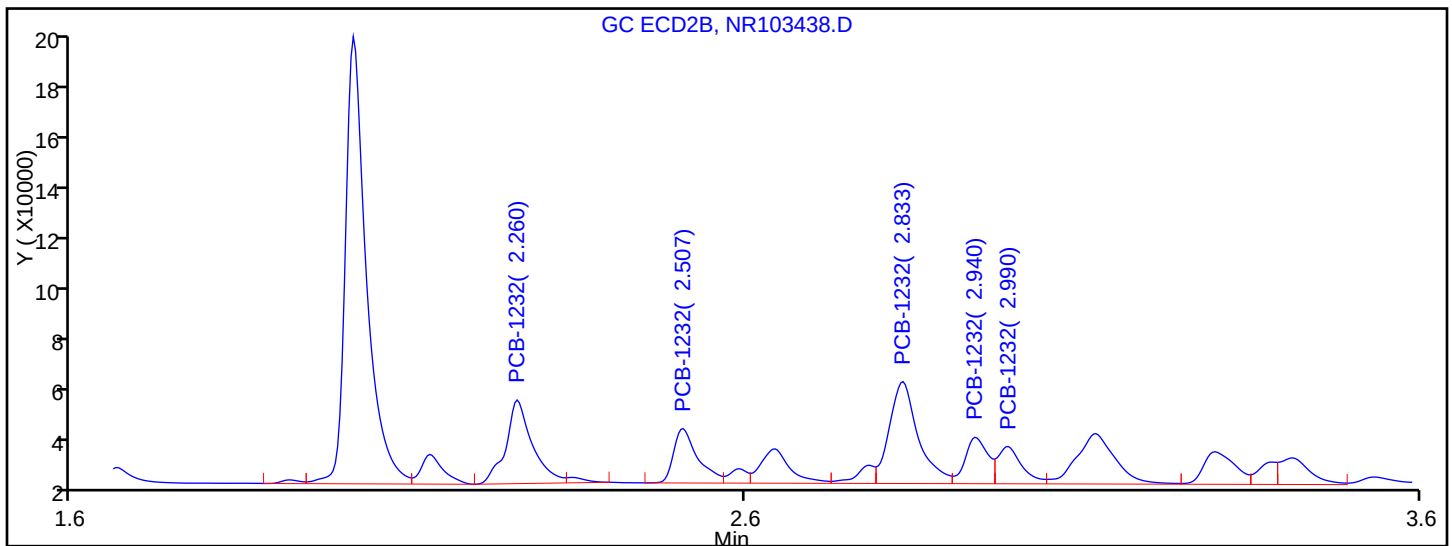
Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103438.D
Injection Date: 29-Aug-2013 19:38:41 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 10
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

37 PCB-1232, Detector: 2, GC ECD2B



Processing Integration Results

RT = 2.260	Response = 87856	M
RT = 2.507	Response = 50046	
RT = 2.833	Response = 111745	
RT = 2.940	Response = 40291	
RT = 2.990	Response = 33516	



Manual Integration Results

RT = 2.260	Response = 84230	M
RT = 2.507	Response = 50046	
RT = 2.833	Response = 111745	
RT = 2.940	Response = 40291	
RT = 2.990	Response = 33516	

Reviewer: foleysont, 05-Sep-2013 13:44:54

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103439.D
 Lims ID: IC 1232 L4 Client ID:
 Inject. Date: 29-Aug-2013 19:52:58 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 460-0004127-011
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 11
 Lims Batch ID: 178893 Lims Sample ID: 11
 Sublist: chrom-608GC6*sub27
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:39 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

03-Sep-2013 15:28:45

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

37 PCB-1232 M

1	2.777	2.773	0.004	36251	1544.9	
1	3.140	3.137	0.003	29270	1515.7	
1	3.640	3.633	0.007	51532	1518.1	
1	3.850	3.843	0.007	24124	1525.9	
1	4.047	4.040	0.007	13912	1519.5	M

Average of Peak Amounts = 1524.8

2	2.260	2.260	0.0	112912	1474.3	M
2	2.503	2.507	-0.004	73709	1472.8	
2	2.833	2.833	0.0	161642	1503.9	
2	2.940	2.940	0.0	56636	1373.1	
2	2.987	2.990	-0.003	50685	1452.0	

Average of Peak Amounts = 1455.2

RPD = 4.67

QC Flag Legend

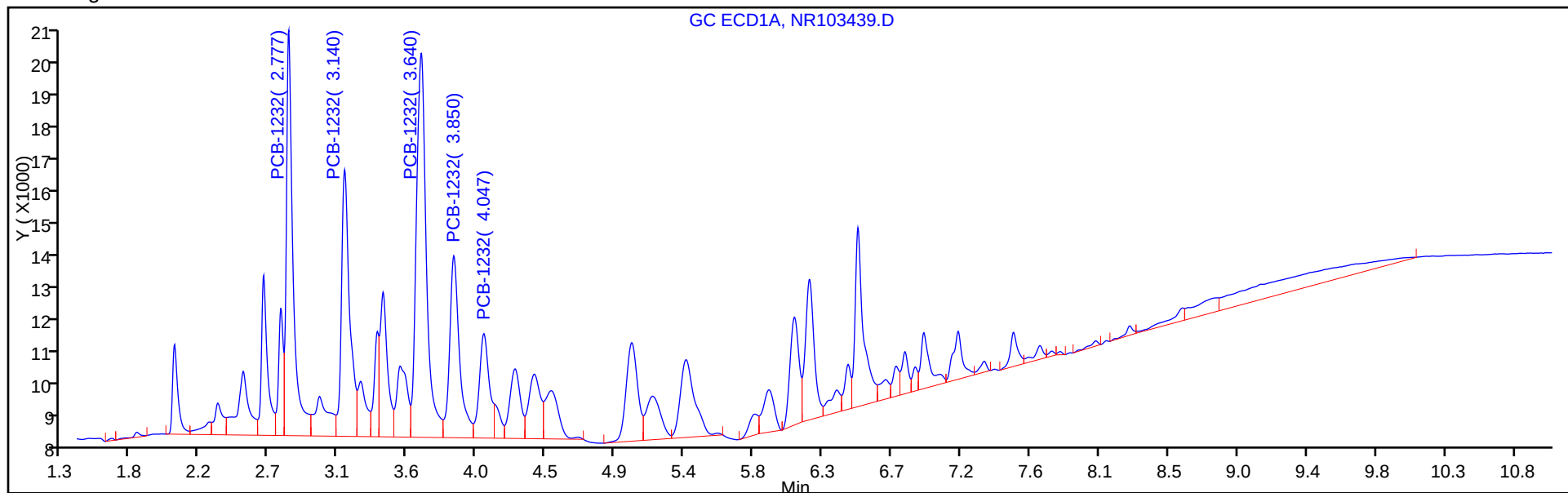
Review Flags

M - Manually Integrated

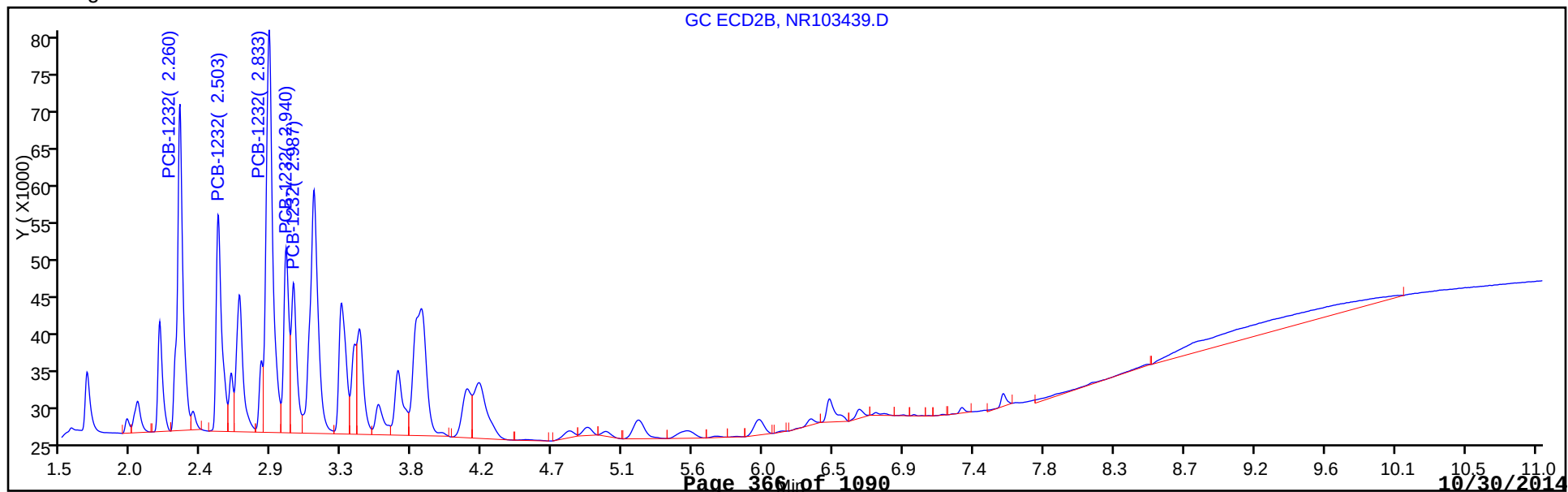
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103439.D
Injection Date: 29-Aug-2013 19:52:58 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 11
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



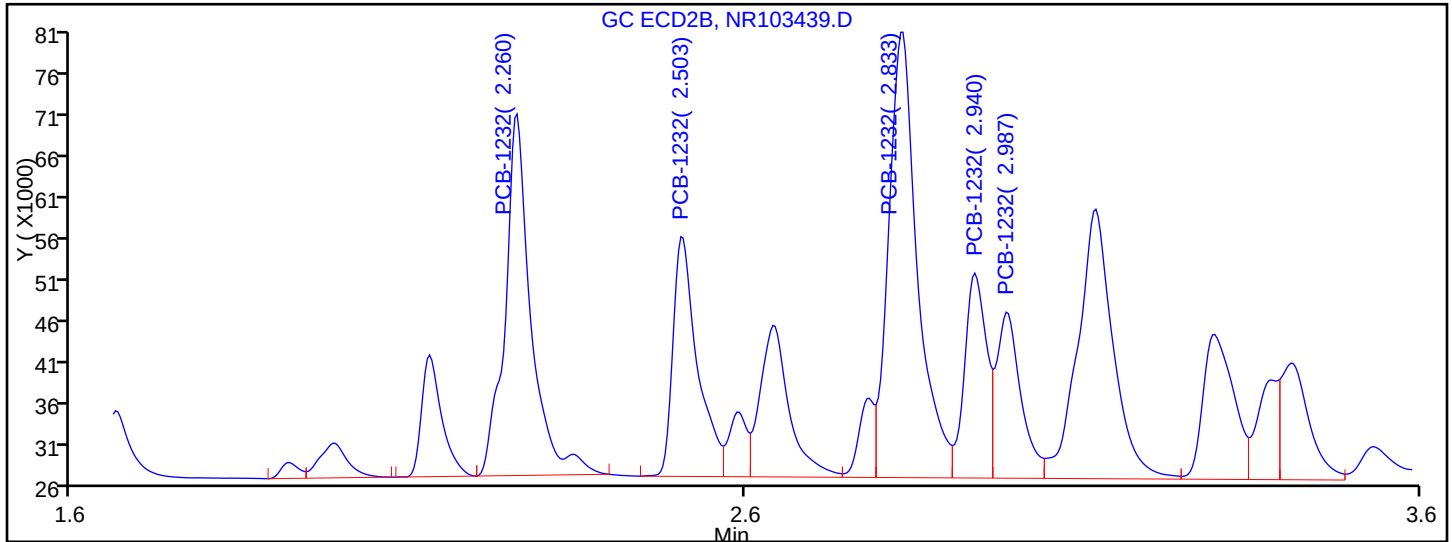
Y Scaling:



TestAmerica Edison

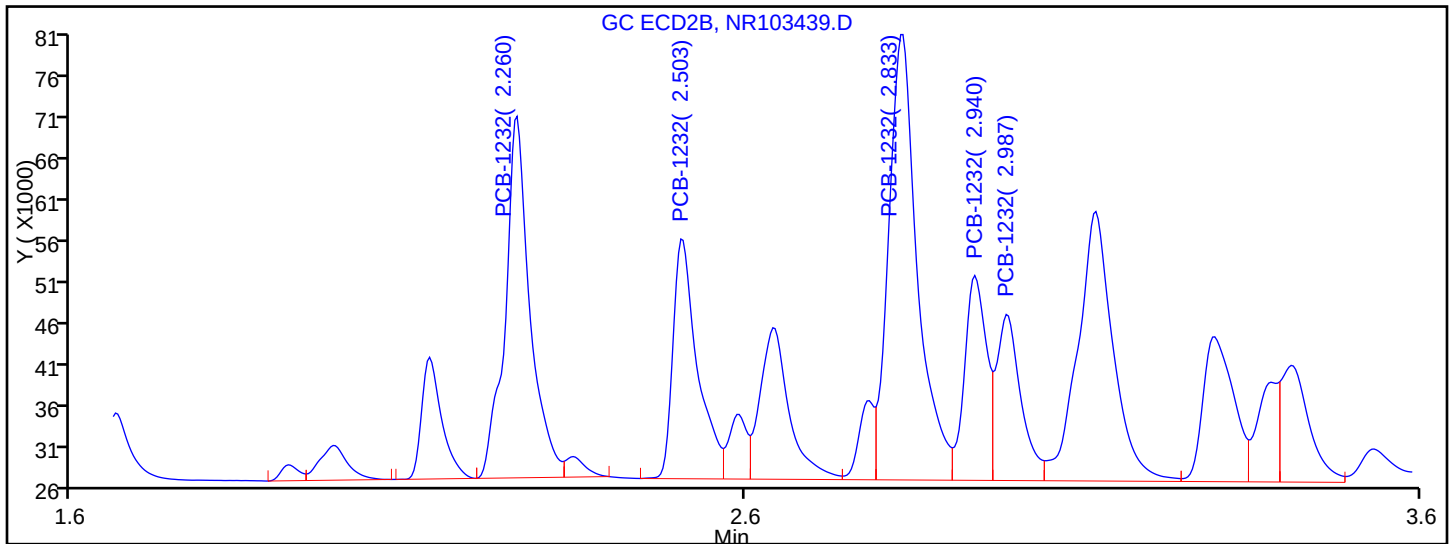
Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103439.D
Injection Date: 29-Aug-2013 19:52:58 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 11
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

37 PCB-1232, Detector: 2, GC ECD2B



Processing Integration Results

RT = 2.260	Response = 117786	M
RT = 2.503	Response = 73709	
RT = 2.833	Response = 161642	
RT = 2.940	Response = 56636	
RT = 2.987	Response = 50685	



Manual Integration Results

RT = 2.260	Response = 112912	M
RT = 2.503	Response = 73709	
RT = 2.833	Response = 161642	
RT = 2.940	Response = 56636	
RT = 2.987	Response = 50685	

Reviewer: foleysont, 05-Sep-2013 13:46:42

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103440.D
 Lims ID: IC 1232 L5 Client ID:
 Inject. Date: 29-Aug-2013 20:07:16 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 460-0004127-012
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 12
 Lims Batch ID: 178893 Lims Sample ID: 12
 Sublist: chrom-608GC6*sub27
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:40 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

03-Sep-2013 15:43:09

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

37 PCB-1232 M

1 2.773 2.773 0.0 55091 2439.9

1 3.140 3.137 0.003 45048 2456.2

1 3.637 3.633 0.004 81684 2480.0

1 3.850 3.843 0.007 38647 2482.8

1 4.047 4.040 0.007 23054 2510.9 M

Average of Peak Amounts = 2474.0

2 2.260 2.260 0.0 184527 2485.4

2 2.503 2.507 -0.004 124524 2520.0

2 2.830 2.833 -0.003 263211 2484.5

2 2.940 2.940 0.0 94360 2287.7

2 2.987 2.990 -0.003 84920 2432.7

Average of Peak Amounts = 2442.1

RPD = 1.30

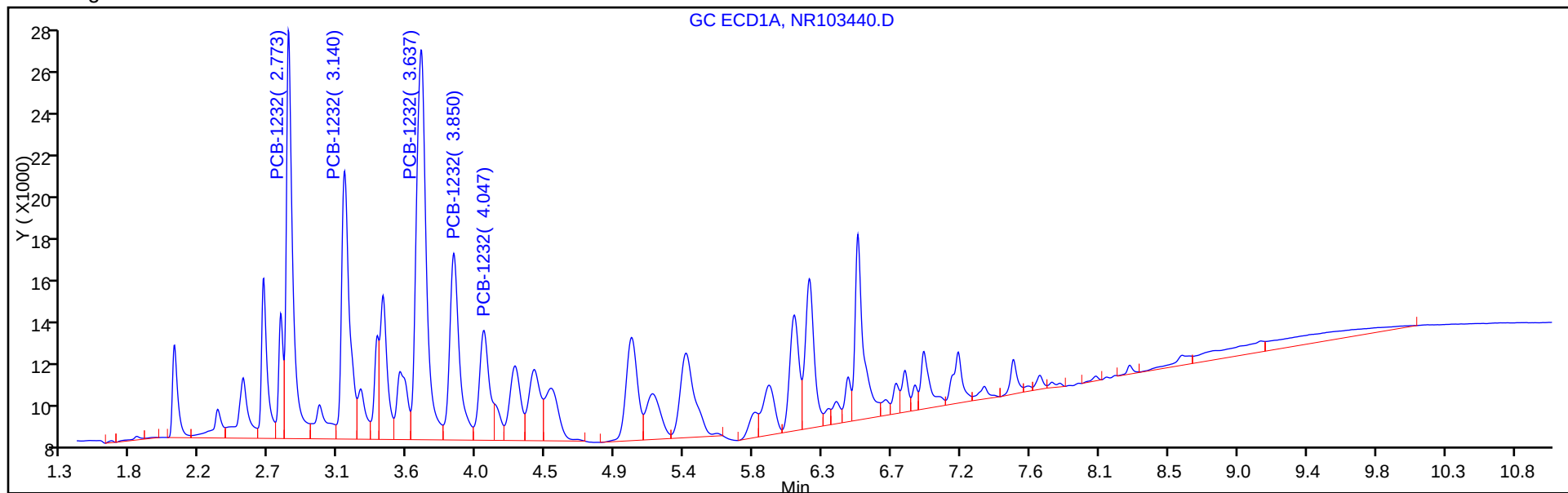
QC Flag Legend

Review Flags

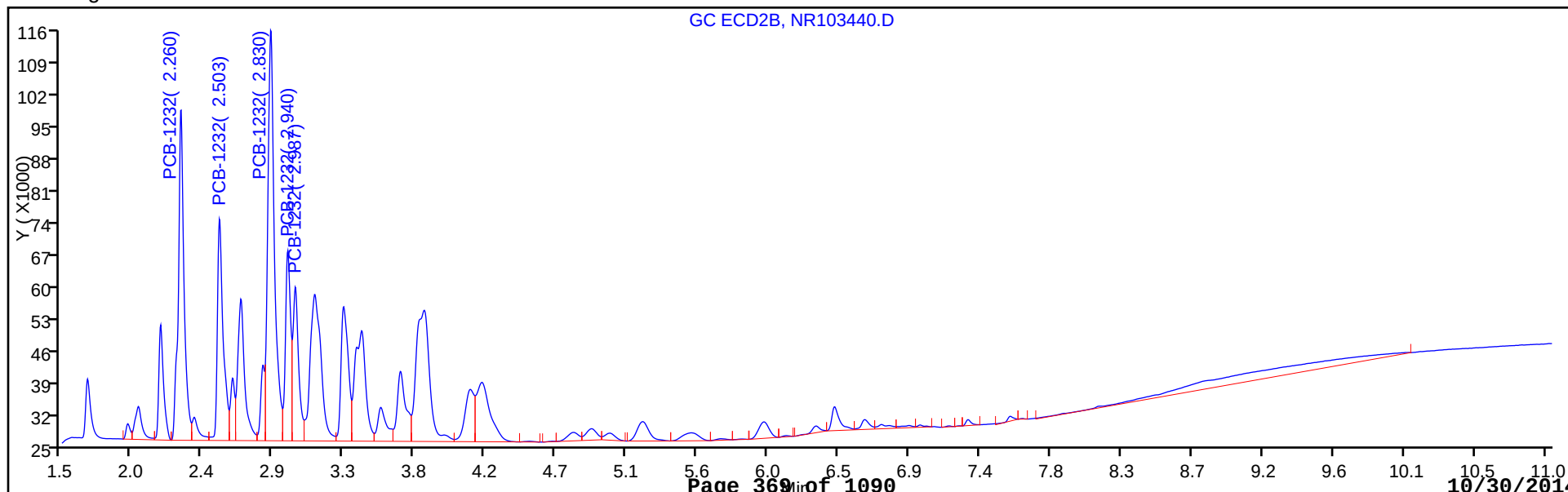
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103440.D
Injection Date: 29-Aug-2013 20:07:16 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 12
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



Y Scaling:



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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 21:32 Calibration End Date: 08/29/2013 22:28 Calibration ID: 29073

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/18	NR103446.D
Level 2	IC 460-178893/19	NR103447.D
Level 3	IC 460-178893/20	NR103448.D
Level 4	IC 460-178893/21	NR103449.D
Level 5	IC 460-178893/22	NR103450.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1248 Peak 1	3.137	3.137	3.137	3.133	3.137						3.037 - 3.237	3.136
PCB-1248 Peak 2	3.843	3.847	3.847	3.840	3.847						3.747 - 3.947	3.845
PCB-1248 Peak 3	4.243	4.247	4.243	4.237	4.243						4.143 - 4.343	4.243
PCB-1248 Peak 4	6.070	6.063	6.063	6.057	6.063						5.963 - 6.163	6.063
PCB-1248 Peak 5	6.163	6.163	6.160	6.157	6.160						6.060 - 6.260	6.161

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 21:32 Calibration End Date: 08/29/2013 22:28 Calibration ID: 29073

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/18	NR103446.D
Level 2	IC 460-178893/19	NR103447.D
Level 3	IC 460-178893/20	NR103448.D
Level 4	IC 460-178893/21	NR103449.D
Level 5	IC 460-178893/22	NR103450.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 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	11.080 15.814	16.510	14.473	17.249	Lin	-132.10384	16.0991927							0.9930		0.9900
PCB-1248 Peak 2	16.580 17.409	16.800	15.384	18.326	Ave		16.8997600				6.4		10.0			
PCB-1248 Peak 3	17.500 25.983	27.568	25.215	27.028	Lin	28.8904510	26.1674861							0.9990		0.9900
PCB-1248 Peak 4	29.820 35.054	35.520	34.303	34.695	Ave		33.8782533				6.8		10.0			
PCB-1248 Peak 5	40.380 42.326	45.588	42.420	42.997	Ave		42.7421867				4.4		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 21:32 Calibration End Date: 08/29/2013 22:28 Calibration ID: 29073

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/18	NR103446.D
Level 2	IC 460-178893/19	NR103447.D
Level 3	IC 460-178893/20	NR103448.D
Level 4	IC 460-178893/21	NR103449.D
Level 5	IC 460-178893/22	NR103450.D

ANALYTE	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
PCB-1248 Peak 1	Lin	554	8255	14473	25874	39534	50.0	500	1000	1500	2500
PCB-1248 Peak 2	Ave	829	8400	15384	27489	43522	50.0	500	1000	1500	2500
PCB-1248 Peak 3	Lin	875	13784	25215	40542	64958	50.0	500	1000	1500	2500
PCB-1248 Peak 4	Ave	1491	17760	34303	52042	87634	50.0	500	1000	1500	2500
PCB-1248 Peak 5	Ave	2019	22794	42420	64496	105814	50.0	500	1000	1500	2500

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103446.D
 Lims ID: IC 1248 L1 Client ID:
 Inject. Date: 29-Aug-2013 21:32:33 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 460-0004127-018
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 18
 Lims Batch ID: 178893 Lims Sample ID: 18
 Sublist: chrom-608GC6*sub29
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:47 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 15:48:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

35 PCB-1248

M

1	3.137	3.137	0.0	554	42.6
1	3.843	3.847	-0.004	829	49.1
1	4.243	4.243	0.0	875	32.3
1	6.070	6.063	0.007	1491	44.0
1	6.163	6.160	0.003	2019	47.2

Average of Peak Amounts = 43.1

2	2.503	2.503	0.0	9607	35.4	M
2	2.640	2.640	0.0	8209	38.9	M
2	2.833	2.830	0.003	13999	19.6	
2	3.293	3.293	0.0	10430	14.8	
2	3.377	3.377	0.0	12032	55.0	

Average of Peak Amounts = 32.7

RPD = 27.23

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2013 15:27:47

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103446.D

Injection Date: 29-Aug-2013 21:32:33

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 178893

Lims Sample ID: 18

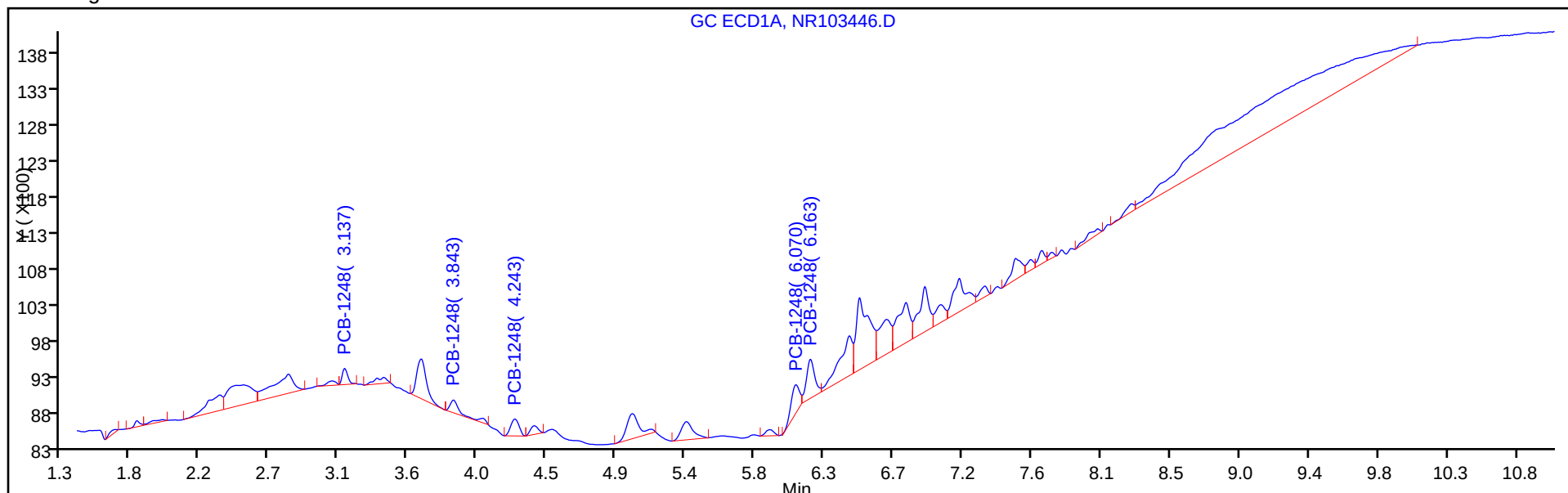
Operator ID:

Injection Vol: 1.0 ul

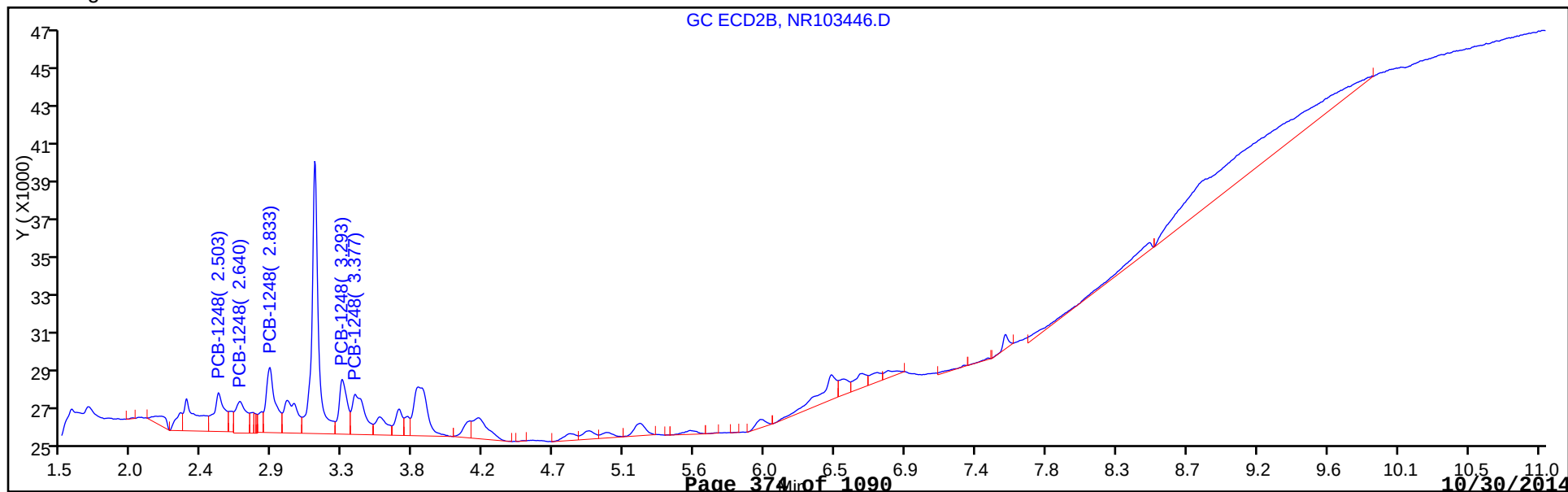
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103447.D
 Lims ID: IC 1248 L2 Client ID:
 Inject. Date: 29-Aug-2013 21:46:46 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 460-0004127-019
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 178893 Lims Sample ID: 19
 Sublist: chrom-608GC6*sub29
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:48 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:33:19

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

35 PCB-1248 M

1 3.137 3.137 0.0 8255 521.0 M

1 3.847 3.847 0.0 8400 497.0 M

1 4.247 4.243 0.004 13784 525.7 M

1 6.063 6.063 0.0 17760 524.2

1 6.163 6.160 0.003 22794 533.3

Average of Peak Amounts = 520.2

2 2.503 2.503 0.0 29854 512.6 M

2 2.640 2.640 0.0 22467 521.7 M

2 2.830 2.830 0.0 79507 522.7 M

2 3.297 3.293 0.004 66432 520.7 M

2 3.380 3.377 0.003 36886 486.3 M

Average of Peak Amounts = 512.8

RPD = 1.44

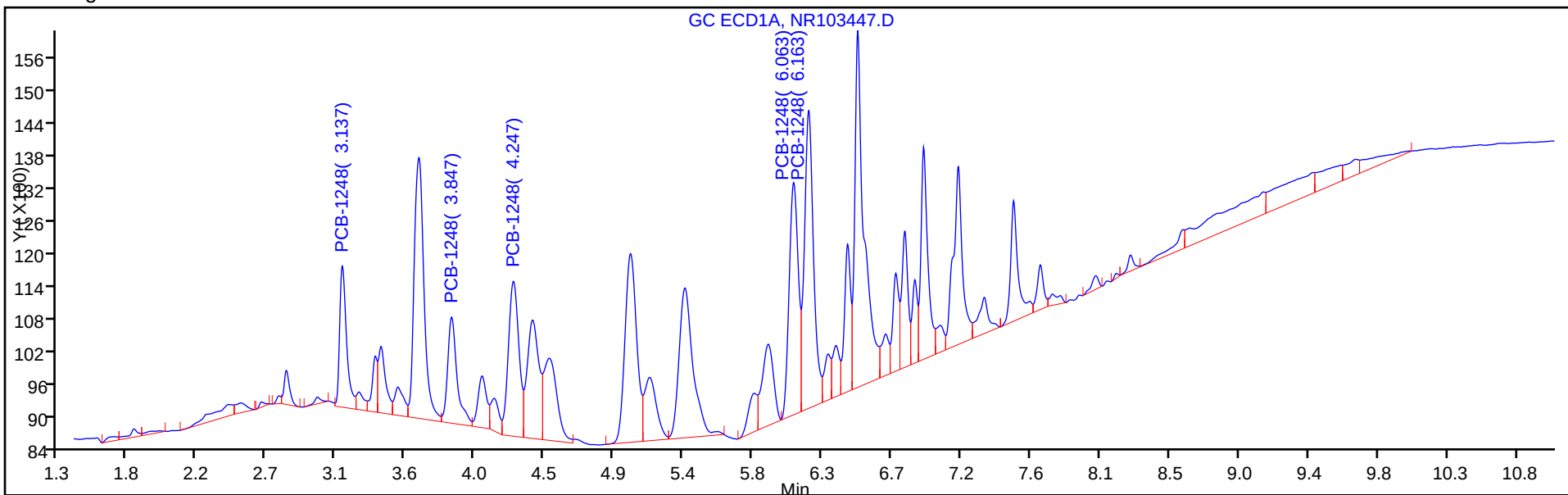
QC Flag Legend

Review Flags

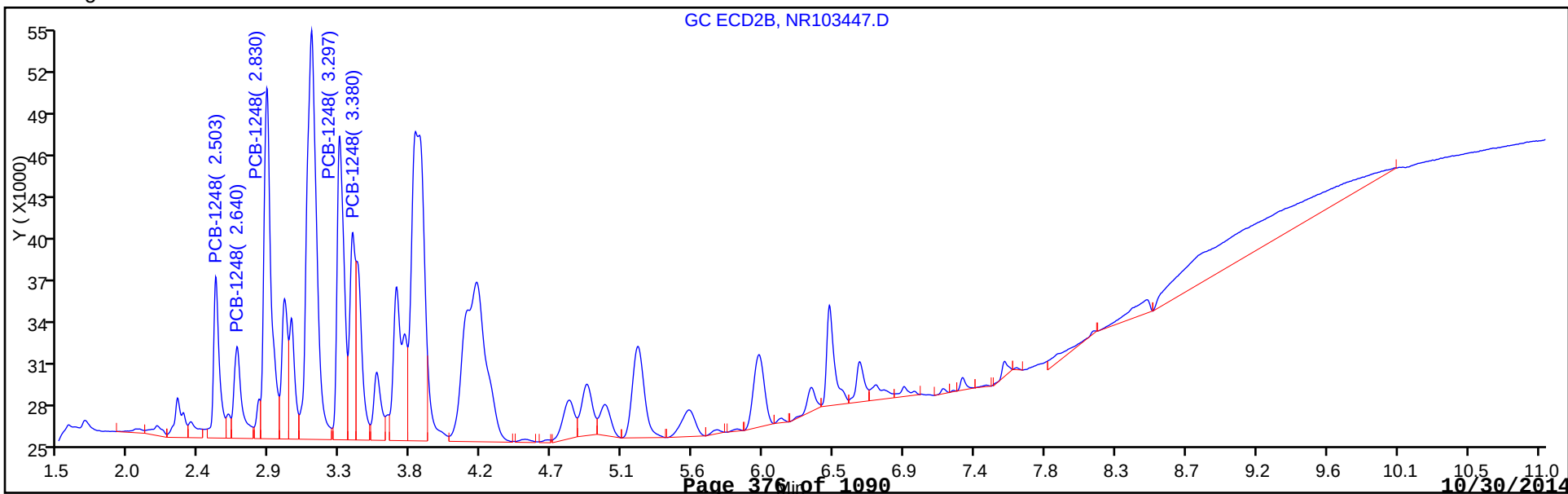
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103447.D
Injection Date: 29-Aug-2013 21:46:46 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 19
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

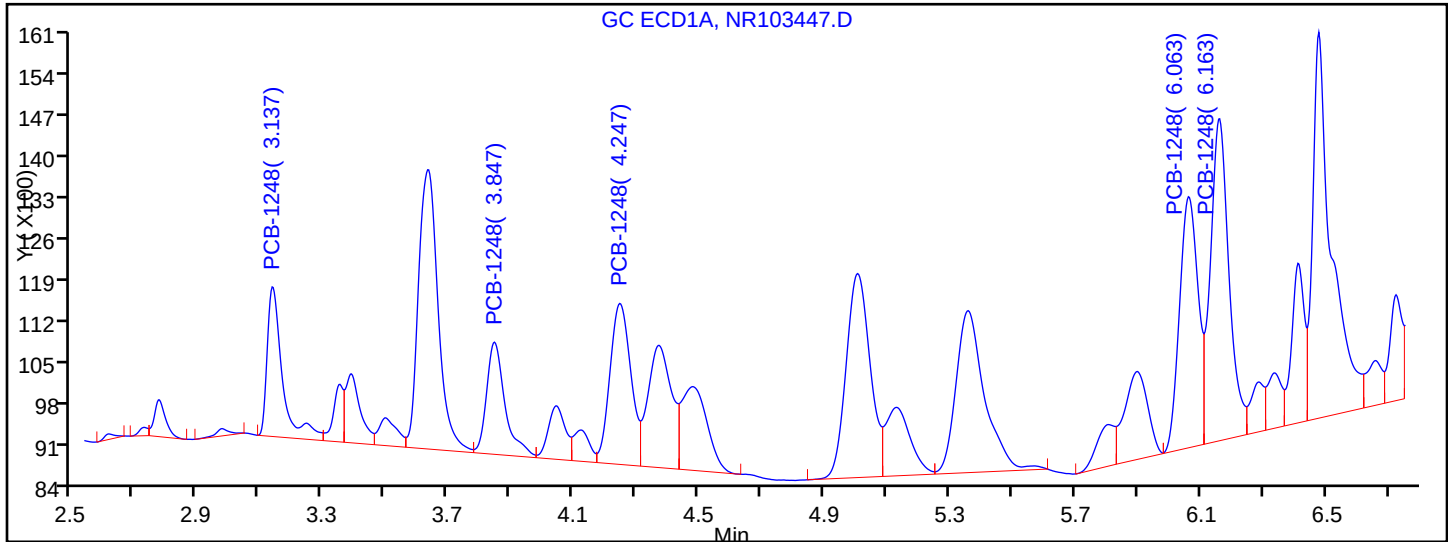


Y Scaling:



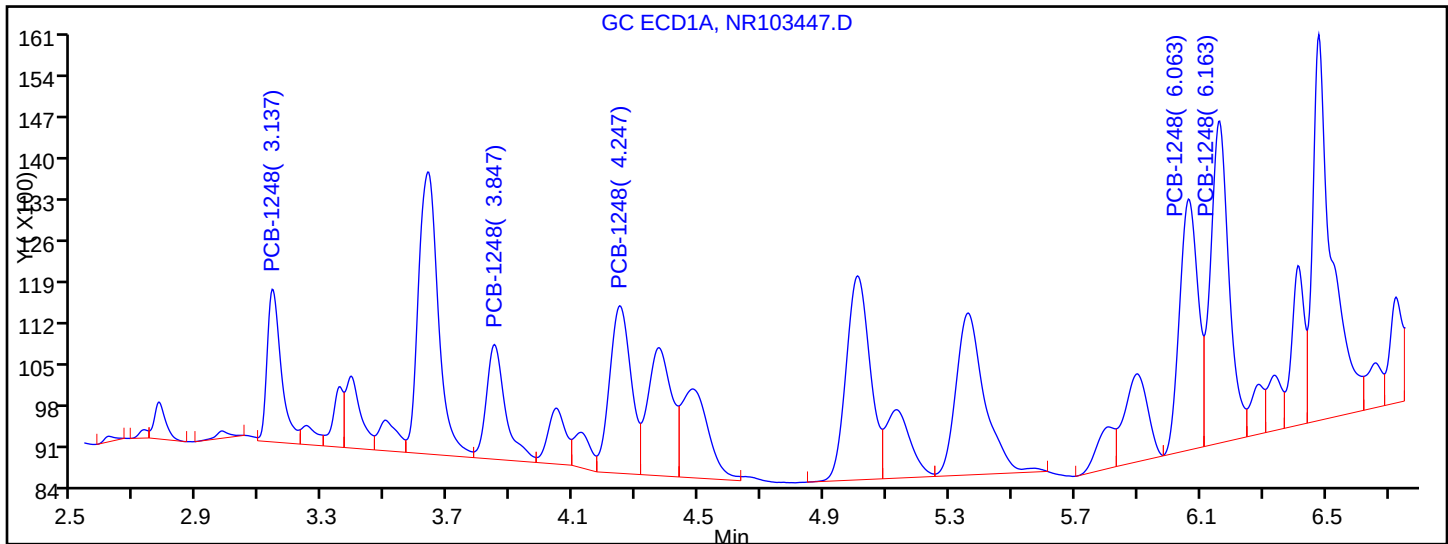
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103447.D
Injection Date: 29-Aug-2013 21:46:46 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 19
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
35 PCB-1248, Detector: 1, GC ECD1A



Processing Integration Results

RT = 3.137	Response = 8698	M
RT = 3.847	Response = 7878	M
RT = 4.247	Response = 12839	M
RT = 6.063	Response = 17760	
RT = 6.163	Response = 22794	



Manual Integration Results

RT = 3.137	Response = 8255	M
RT = 3.847	Response = 8400	M
RT = 4.247	Response = 13784	M
RT = 6.063	Response = 17760	
RT = 6.163	Response = 22794	

Reviewer: foleysont, 04-Sep-2013 13:33:19

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103448.D
 Lims ID: IC 1248 L3 Client ID:
 Inject. Date: 29-Aug-2013 22:01:02 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 460-0004127-020
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 20
 Lims Batch ID: 178893 Lims Sample ID: 20
 Sublist: chrom-608GC6*sub29
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:49 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:28:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

35 PCB-1248 M

1	3.137	3.137	0.0	14473	907.2	a
1	3.847	3.847	0.0	15384	910.3	a
1	4.243	4.243	0.0	25215	962.5	a
1	6.063	6.063	0.0	34303	1012.5	a
1	6.160	6.160	0.0	42420	992.5	a

Average of Peak Amounts = 957.0

2	2.503	2.503	0.0	48506	952.2	a
2	2.640	2.640	0.0	33452	893.7	a
2	2.830	2.830	0.0	139680	984.8	M
2	3.293	3.293	0.0	118564	991.6	a
2	3.377	3.377	0.0	62107	924.0	M

Average of Peak Amounts = 949.3

RPD = 0.81

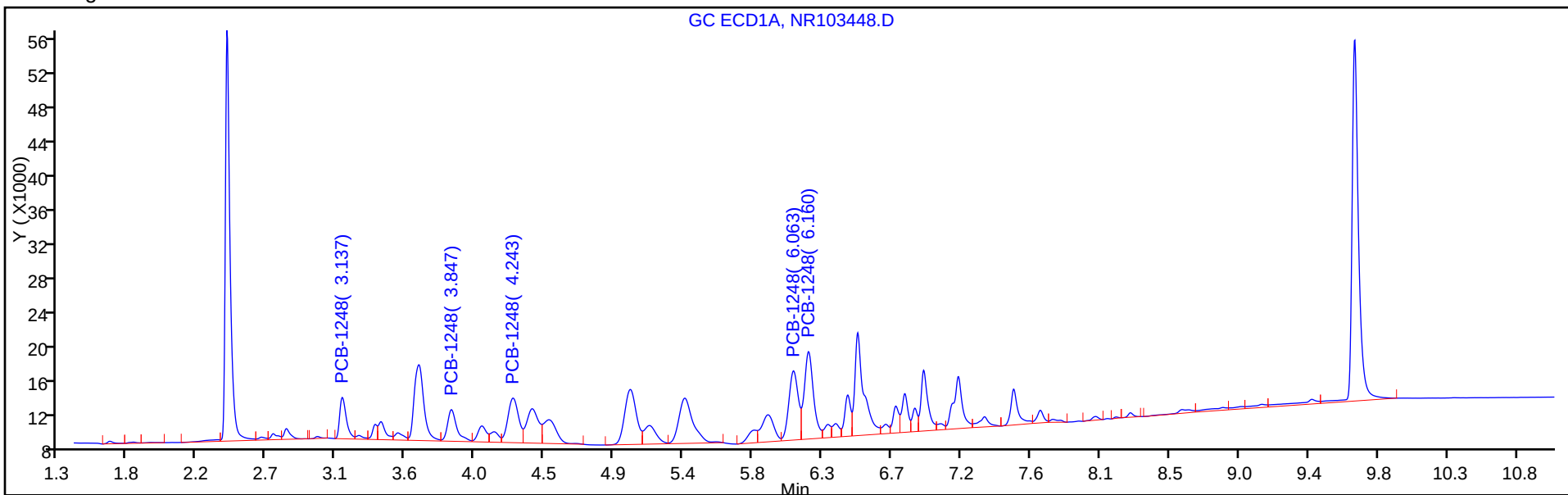
QC Flag Legend

Review Flags

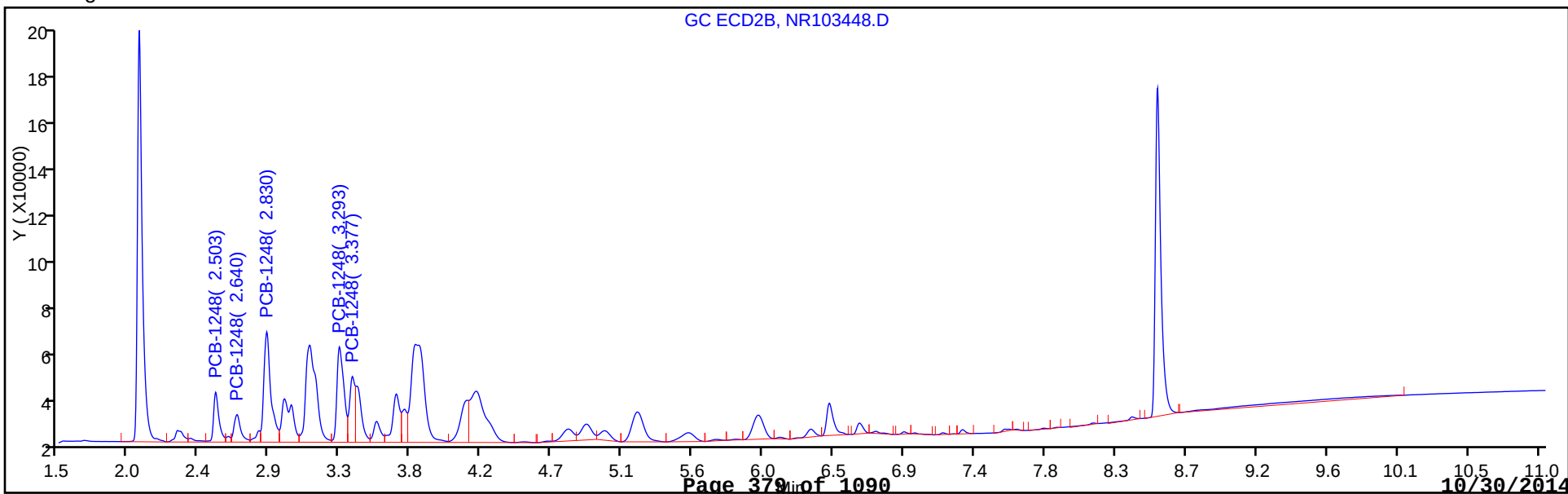
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103448.D
Injection Date: 29-Aug-2013 22:01:02 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 20
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



Y Scaling:



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103449.D
 Lims ID: IC 1248 L4 Client ID:
 Inject. Date: 29-Aug-2013 22:14:37 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 460-0004127-021
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 21
 Lims Batch ID: 178893 Lims Sample ID: 21
 Sublist: chrom-608GC6*sub29
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:28:26 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:31:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

35 PCB-1248 M

1 3.133 3.137 -0.004 25874 1615.4 M

1 3.840 3.847 -0.007 27489 1626.6 M

1 4.237 4.243 -0.006 40542 1548.2 M

1 6.057 6.063 -0.006 52042 1536.1

1 6.157 6.160 -0.003 64496 1509.0

Average of Peak Amounts = 1567.1

2 2.503 2.503 0.0 75235 1582.1 M

2 2.640 2.640 0.0 55593 1643.4 M

2 2.830 2.830 0.0 213540 1551.9 M

2 3.293 3.293 0.0 181211 1557.5 M

2 3.377 3.377 0.0 102738 1629.2 M

Average of Peak Amounts = 1592.8

RPD = 1.63

QC Flag Legend

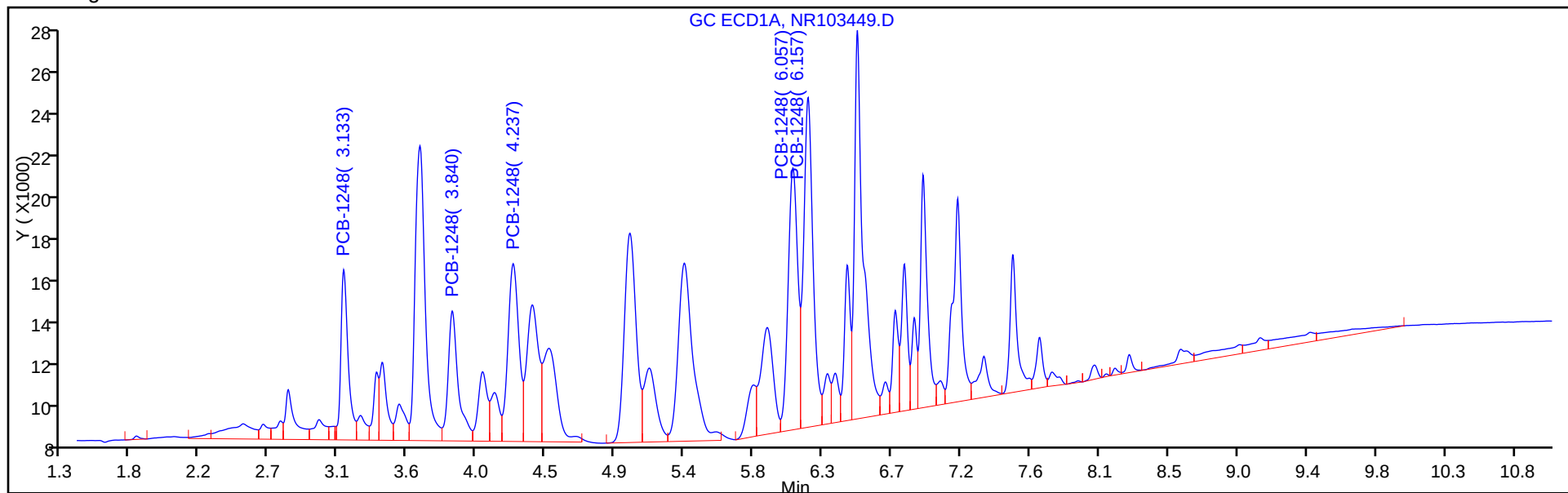
Review Flags

M - Manually Integrated

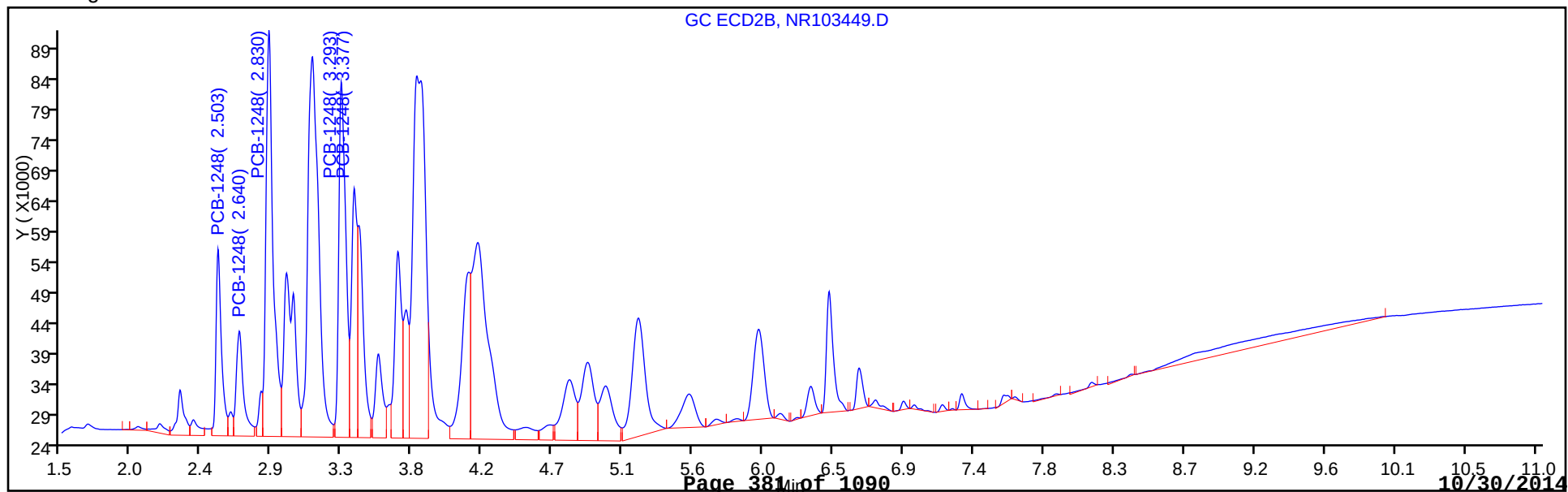
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103449.D
Injection Date: 29-Aug-2013 22:14:37 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 21
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:



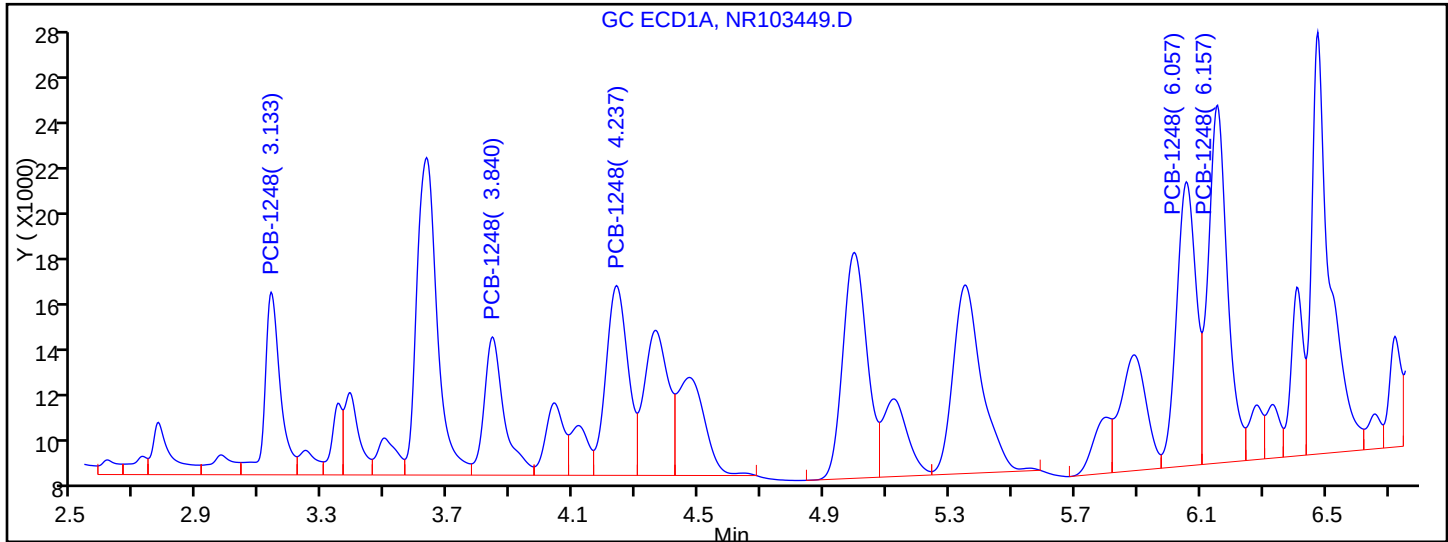
Y Scaling:



TestAmerica Edison

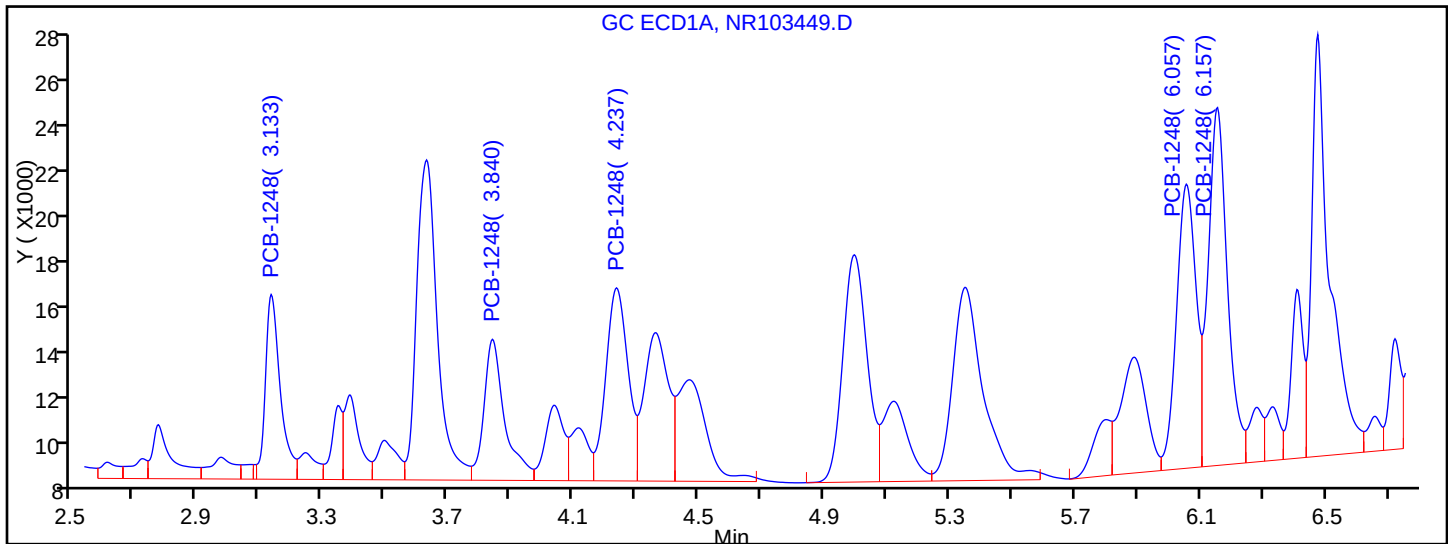
Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103449.D
Injection Date: 29-Aug-2013 22:14:37 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 21
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

35 PCB-1248, Detector: 1, GC ECD1A



Processing Integration Results

RT = 3.133	Response = 26753	M
RT = 3.840	Response = 26049	M
RT = 4.237	Response = 39404	M
RT = 6.057	Response = 52042	
RT = 6.157	Response = 64496	



Manual Integration Results

RT = 3.133	Response = 25874	M
RT = 3.840	Response = 27489	M
RT = 4.237	Response = 40542	M
RT = 6.057	Response = 52042	
RT = 6.157	Response = 64496	

Reviewer: foleysont, 04-Sep-2013 13:31:32

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103450.D
 Lims ID: IC 1248 L5 Client ID:
 Inject. Date: 29-Aug-2013 22:28:53 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 460-0004127-022
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 22
 Lims Batch ID: 178893 Lims Sample ID: 22
 Sublist: chrom-608GC6*sub29
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:28:27 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:32:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

35 PCB-1248 M

1	3.137	3.137	0.0	39534	2463.9	
1	3.847	3.847	0.0	43522	2575.3	
1	4.243	4.243	0.0	64958	2481.3	
1	6.063	6.063	0.0	87634	2586.7	M
1	6.160	6.160	0.0	105814	2475.6	M

Average of Peak Amounts = 2516.6

2	2.503	2.503	0.0	112806	2467.6	M
2	2.640	2.640	0.0	79480	2452.3	M
2	2.830	2.830	0.0	333223	2471.0	M
2	3.293	3.293	0.0	281711	2465.4	M
2	3.377	3.377	0.0	150353	2455.5	M

Average of Peak Amounts = 2462.4

RPD = 2.18

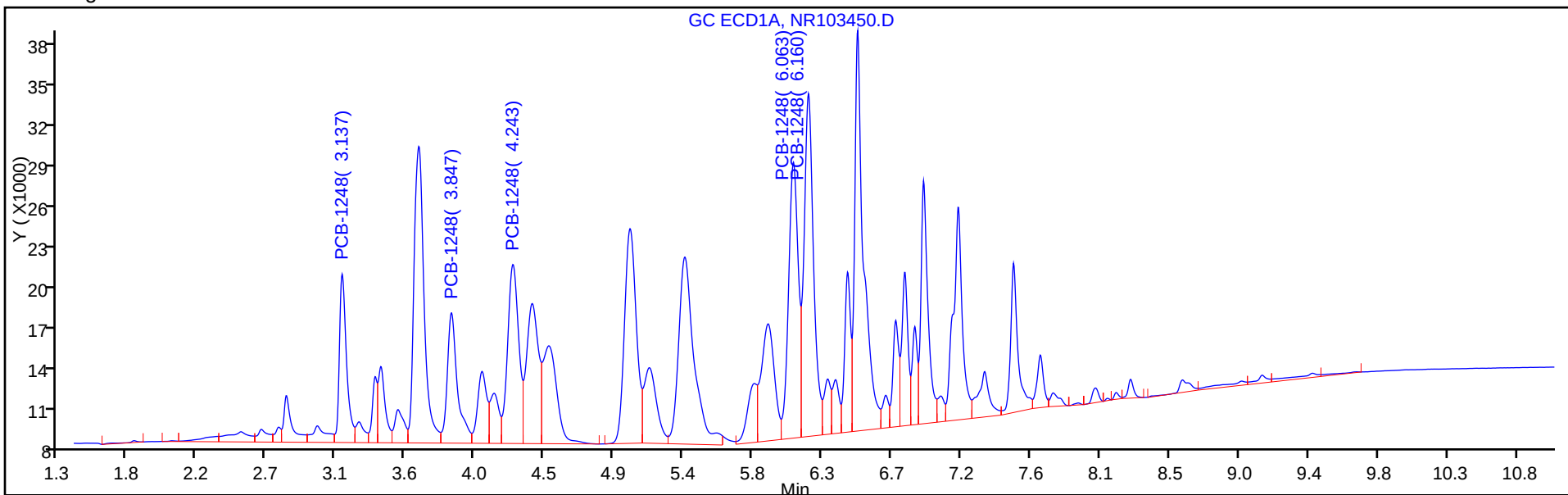
QC Flag Legend

Review Flags

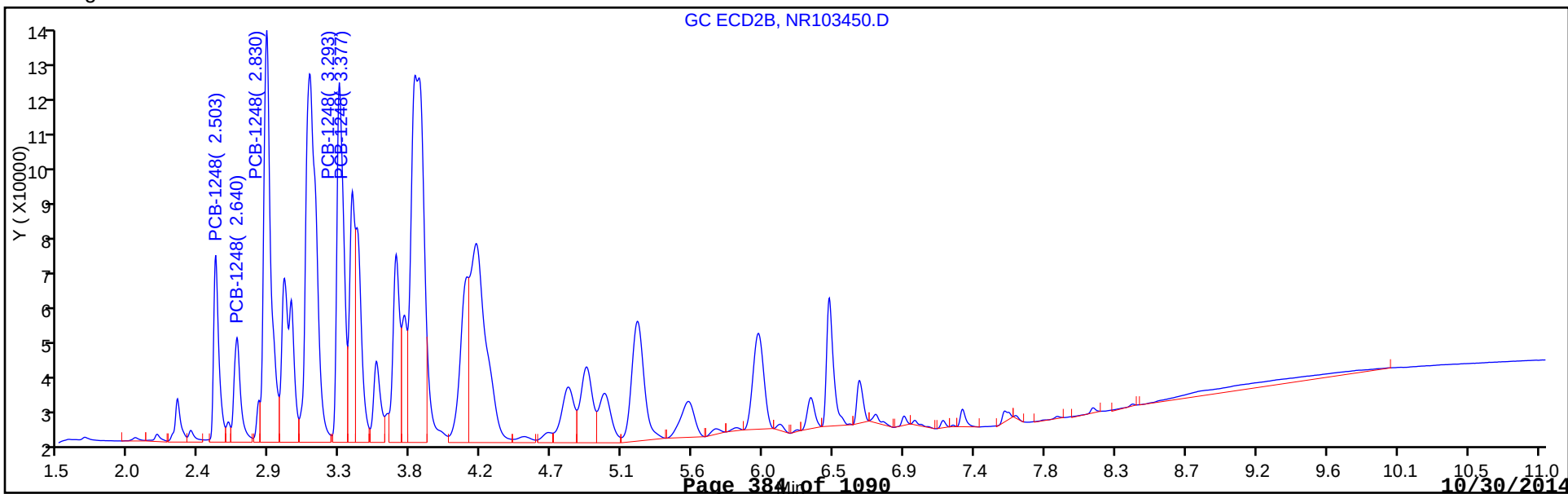
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103450.D
Injection Date: 29-Aug-2013 22:28:53 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 22
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

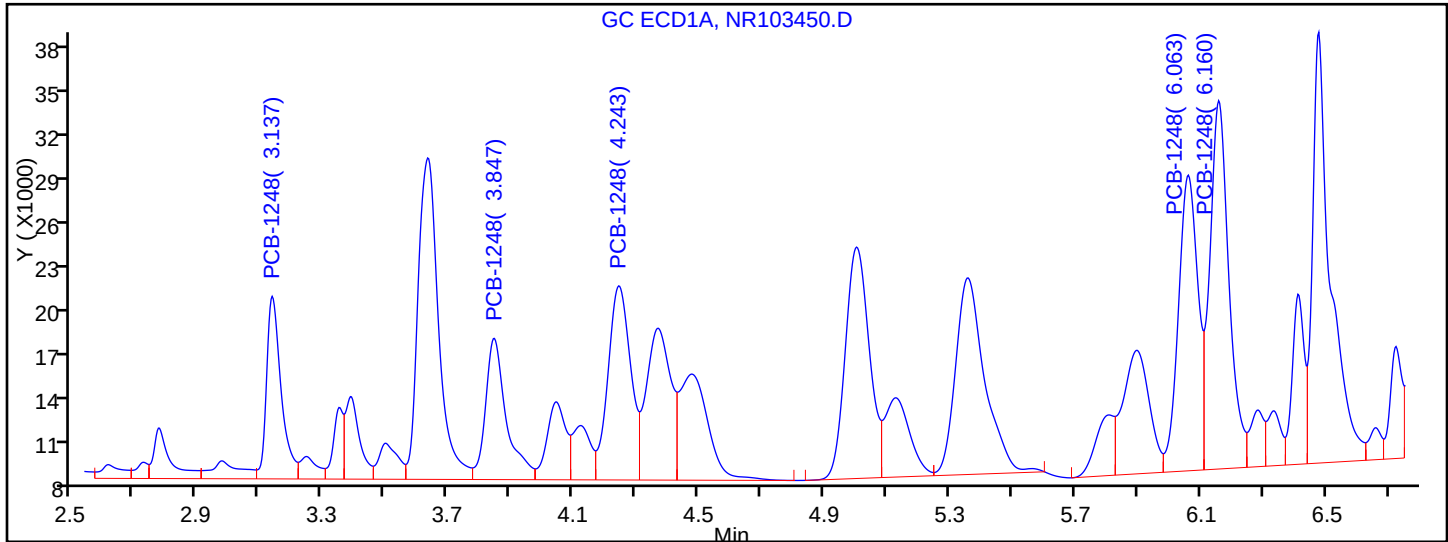


Y Scaling:



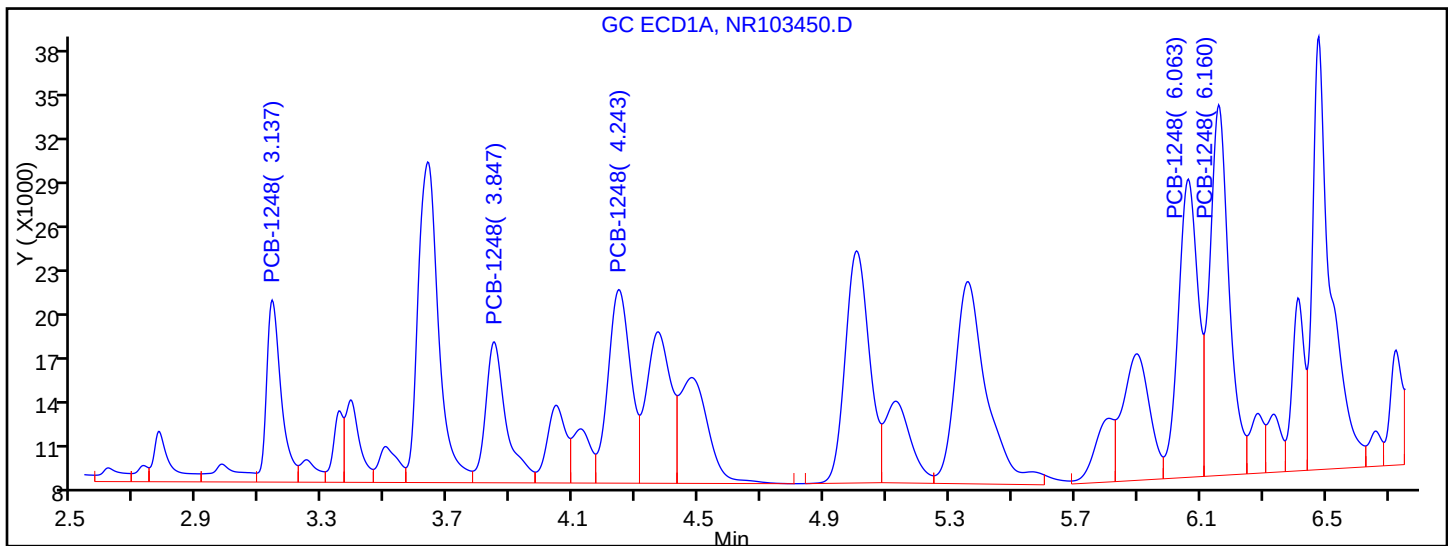
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103450.D
Injection Date: 29-Aug-2013 22:28:53 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 22
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
35 PCB-1248, Detector: 1, GC ECD1A



Processing Integration Results

RT = 3.137	Response = 39534	
RT = 3.847	Response = 43522	
RT = 4.243	Response = 64958	
RT = 6.063	Response = 85926	M
RT = 6.160	Response = 104014	M



Manual Integration Results

RT = 3.137	Response = 39534	
RT = 3.847	Response = 43522	
RT = 4.243	Response = 64958	
RT = 6.063	Response = 87634	M
RT = 6.160	Response = 105814	M

Reviewer: foleysont, 04-Sep-2013 13:32:20

Audit Action: Assigned New Baseline

Audit Reason: Baseline

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 21:32 Calibration End Date: 08/29/2013 22:28 Calibration ID: 29074

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/18	NR103446.D
Level 2	IC 460-178893/19	NR103447.D
Level 3	IC 460-178893/20	NR103448.D
Level 4	IC 460-178893/21	NR103449.D
Level 5	IC 460-178893/22	NR103450.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1248 Peak 1	2.503	2.503	2.503	2.503	2.503						2.403 - 2.603	2.503
PCB-1248 Peak 2	2.640	2.640	2.640	2.640	2.640						2.540 - 2.740	2.640
PCB-1248 Peak 3	2.833	2.830	2.830	2.830	2.830						2.730 - 2.930	2.831
PCB-1248 Peak 4	3.293	3.297	3.293	3.293	3.293						3.193 - 3.393	3.294
PCB-1248 Peak 5	3.377	3.380	3.377	3.377	3.377						3.277 - 3.477	3.378

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 21:32 Calibration End Date: 08/29/2013 22:28 Calibration ID: 29074

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/18	NR103446.D
Level 2	IC 460-178893/19	NR103447.D
Level 3	IC 460-178893/20	NR103448.D
Level 4	IC 460-178893/21	NR103449.D
Level 5	IC 460-178893/22	NR103450.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 3	LVL 4		B	M1	M2								
PCB-1248 Peak 1	192.14 45.122	59.708	48.506	50.157	Lin	8103.24624	42.4309493							0.9970		0.9900
PCB-1248 Peak 2	164.18 31.792	44.934	33.452	37.062	Lin	7061.72077	29.5301615							0.9900		0.9900
PCB-1248 Peak 3	279.98 133.29	159.01	139.68	142.36	Lin	11443.3380	130.222038							0.9990		0.9900
PCB-1248 Peak 4	208.60 112.68	132.86	118.56	120.81	Lin	8794.20072	110.698558							0.9980		0.9900
PCB-1248 Peak 5	240.64 60.141	73.772	62.107	68.492	Lin	8864.59827	57.6203619							0.9930		0.9900

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 Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 21:32 Calibration End Date: 08/29/2013 22:28 Calibration ID: 29074

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/18	NR103446.D
Level 2	IC 460-178893/19	NR103447.D
Level 3	IC 460-178893/20	NR103448.D
Level 4	IC 460-178893/21	NR103449.D
Level 5	IC 460-178893/22	NR103450.D

ANALYTE	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
PCB-1248 Peak 1	Lin	9607	29854	48506	75235	112806	50.0	500	1000	1500	2500
PCB-1248 Peak 2	Lin	8209	22467	33452	55593	79480	50.0	500	1000	1500	2500
PCB-1248 Peak 3	Lin	13999	79507	139680	213540	333223	50.0	500	1000	1500	2500
PCB-1248 Peak 4	Lin	10430	66432	118564	181211	281711	50.0	500	1000	1500	2500
PCB-1248 Peak 5	Lin	12032	36886	62107	102738	150353	50.0	500	1000	1500	2500

Curve Type Legend:

Lin = Linear

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103446.D
 Lims ID: IC 1248 L1 Client ID:
 Inject. Date: 29-Aug-2013 21:32:33 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 460-0004127-018
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 18
 Lims Batch ID: 178893 Lims Sample ID: 18
 Sublist: chrom-608GC6*sub29
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:47 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 15:48:47

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

35 PCB-1248

M

1	3.137	3.137	0.0	554	42.6
1	3.843	3.847	-0.004	829	49.1
1	4.243	4.243	0.0	875	32.3
1	6.070	6.063	0.007	1491	44.0
1	6.163	6.160	0.003	2019	47.2

Average of Peak Amounts = 43.1

2	2.503	2.503	0.0	9607	35.4	M
2	2.640	2.640	0.0	8209	38.9	M
2	2.833	2.830	0.003	13999	19.6	
2	3.293	3.293	0.0	10430	14.8	
2	3.377	3.377	0.0	12032	55.0	

Average of Peak Amounts = 32.7

RPD = 27.23

QC Flag Legend

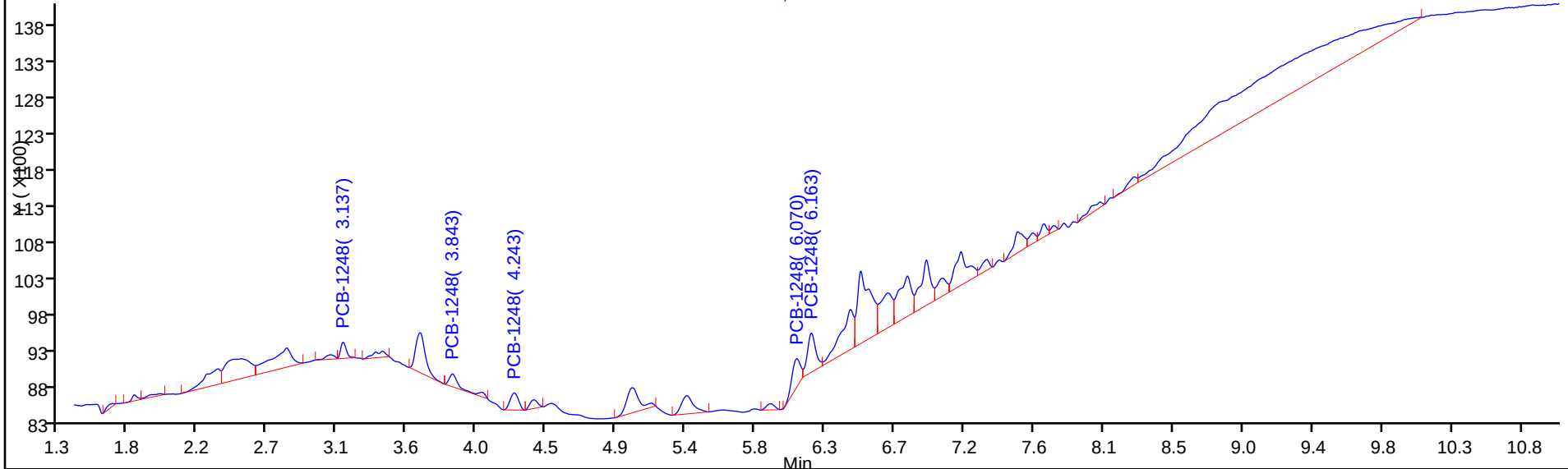
Review Flags

M - Manually Integrated

TestAmerica Edison

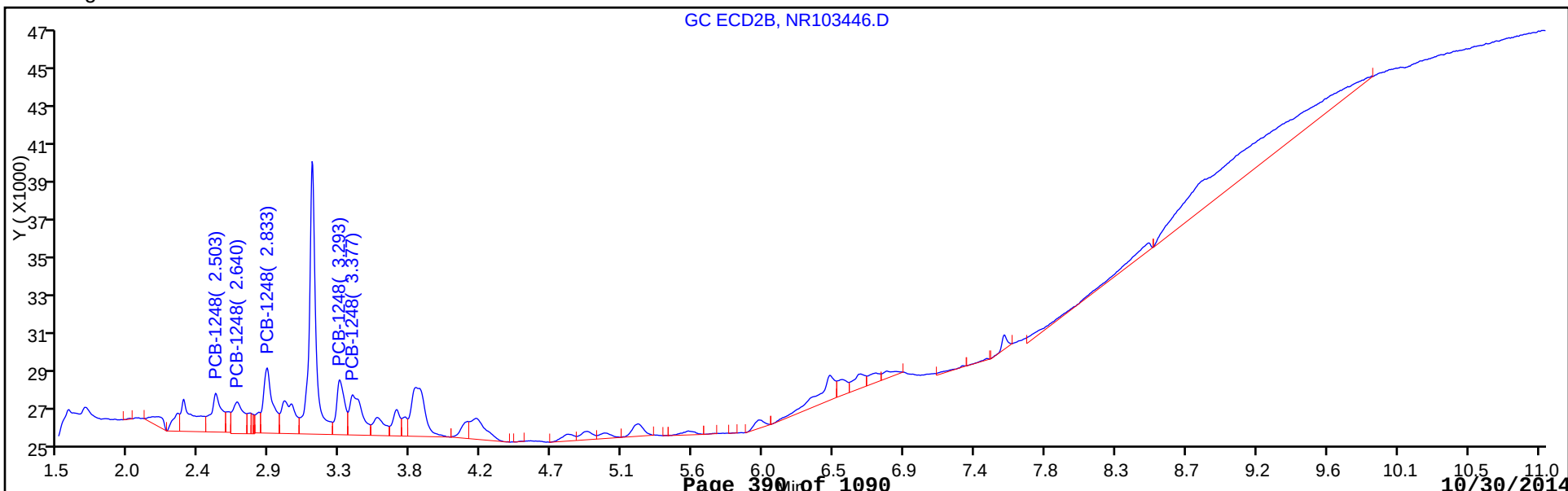
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Injection Date: 29-Aug-2013 21:32:33 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 18
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

GC ECD1A, NR103446.D



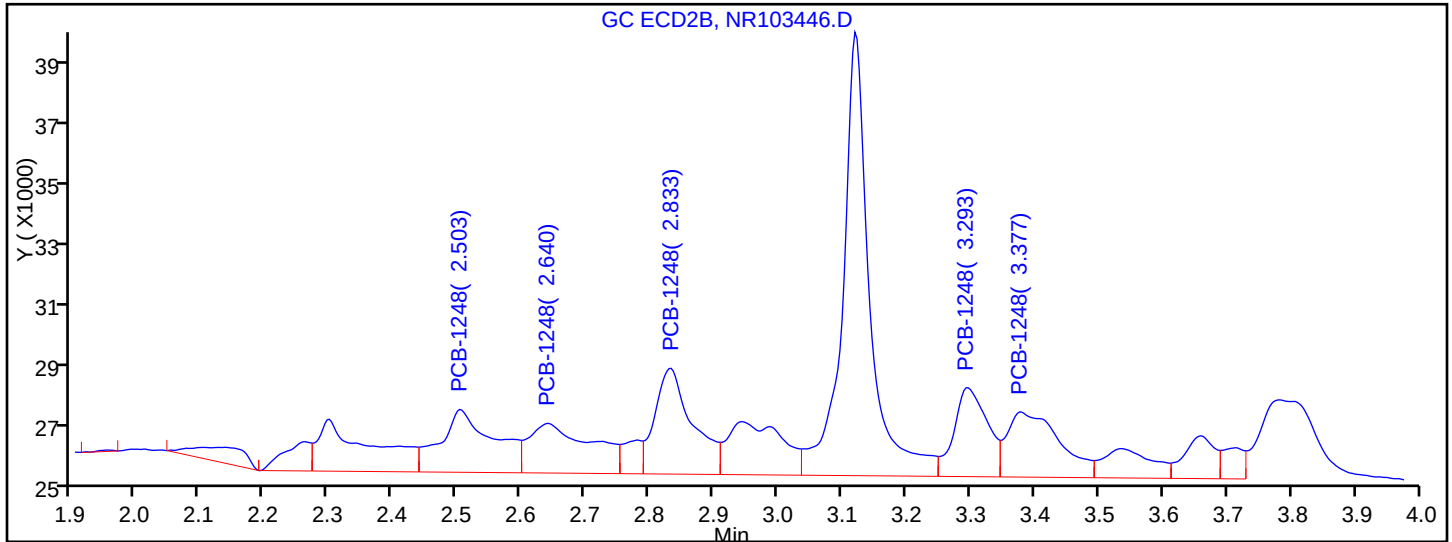
Y Scaling:

GC ECD2B, NR103446.D



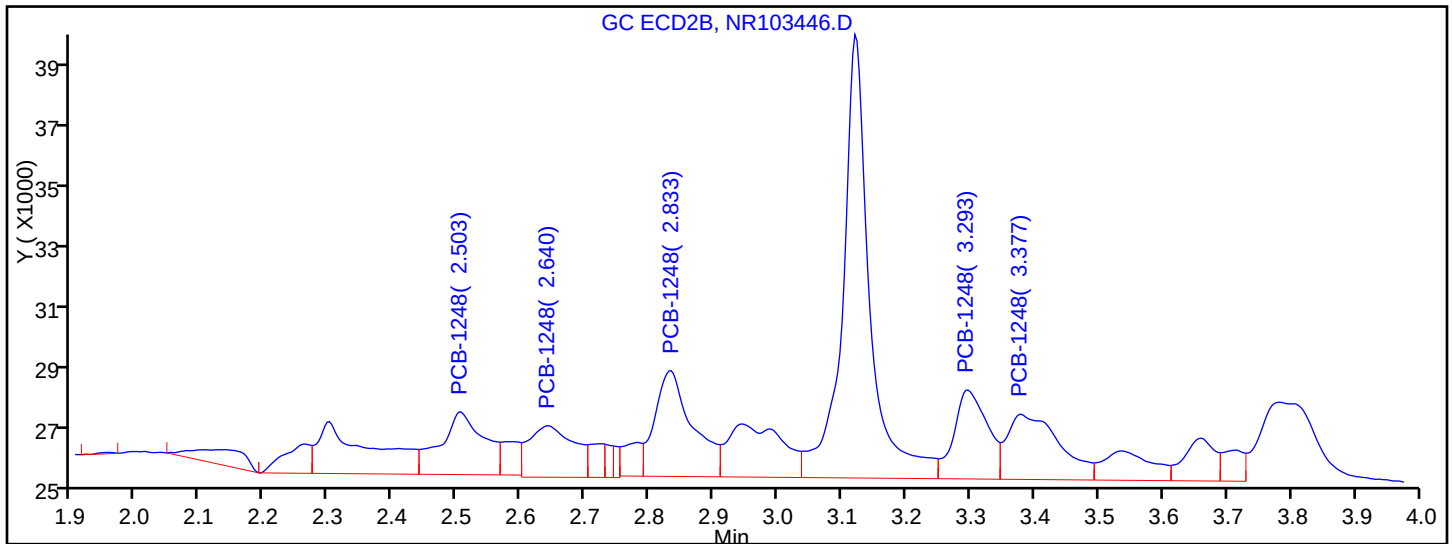
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103446.D
Injection Date: 29-Aug-2013 21:32:33 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 18
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
35 PCB-1248, Detector: 2, GC ECD2B



Processing Integration Results

RT = 2.503	Response = 11755	M
RT = 2.640	Response = 10848	M
RT = 2.833	Response = 13999	
RT = 3.293	Response = 10430	
RT = 3.377	Response = 12032	



Manual Integration Results

RT = 2.503	Response = 9607	M
RT = 2.640	Response = 8209	M
RT = 2.833	Response = 13999	
RT = 3.293	Response = 10430	
RT = 3.377	Response = 12032	

Reviewer: foleysont, 04-Sep-2013 15:48:47

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103447.D
 Lims ID: IC 1248 L2 Client ID:
 Inject. Date: 29-Aug-2013 21:46:46 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 460-0004127-019
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 178893 Lims Sample ID: 19
 Sublist: chrom-608GC6*sub29
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:48 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:33:19

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

35 PCB-1248 M

1 3.137 3.137 0.0 8255 521.0 M

1 3.847 3.847 0.0 8400 497.0 M

1 4.247 4.243 0.004 13784 525.7 M

1 6.063 6.063 0.0 17760 524.2

1 6.163 6.160 0.003 22794 533.3

Average of Peak Amounts = 520.2

2 2.503 2.503 0.0 29854 512.6 M

2 2.640 2.640 0.0 22467 521.7 M

2 2.830 2.830 0.0 79507 522.7 M

2 3.297 3.293 0.004 66432 520.7 M

2 3.380 3.377 0.003 36886 486.3 M

Average of Peak Amounts = 512.8

RPD = 1.44

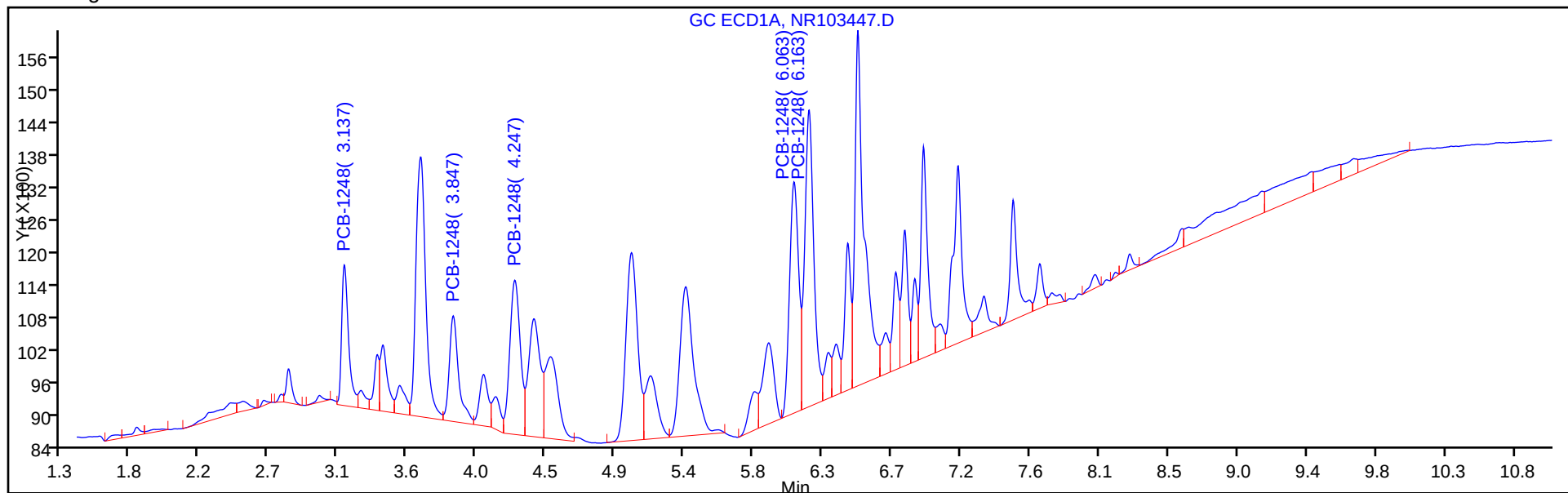
QC Flag Legend

Review Flags

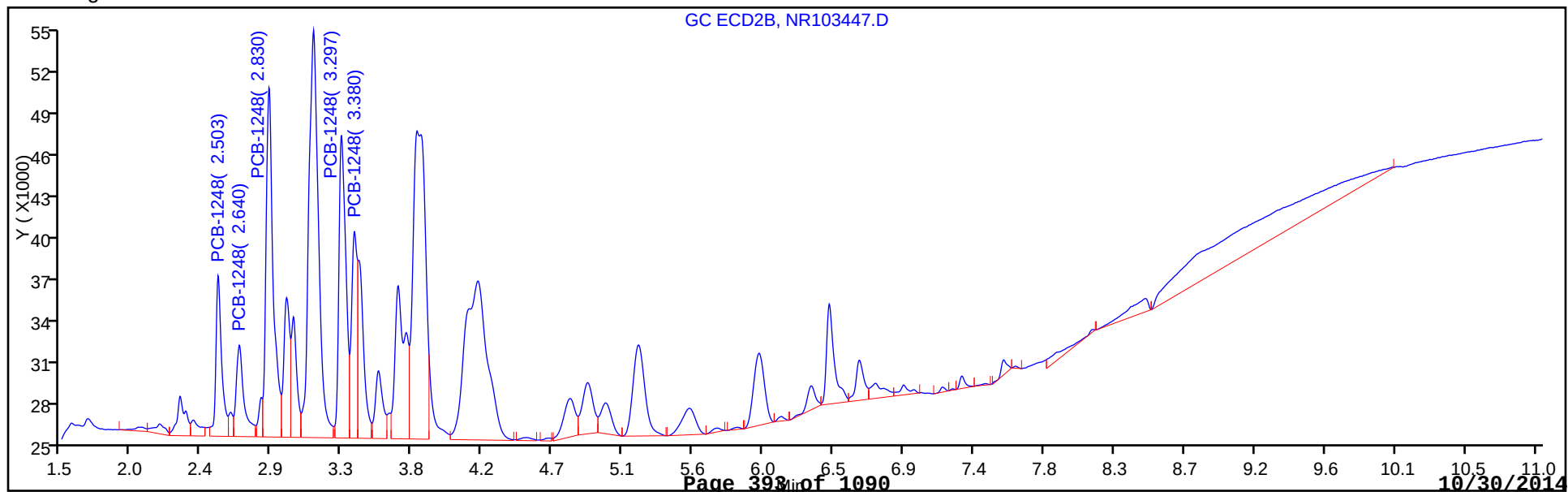
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103447.D
Injection Date: 29-Aug-2013 21:46:46 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 19
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

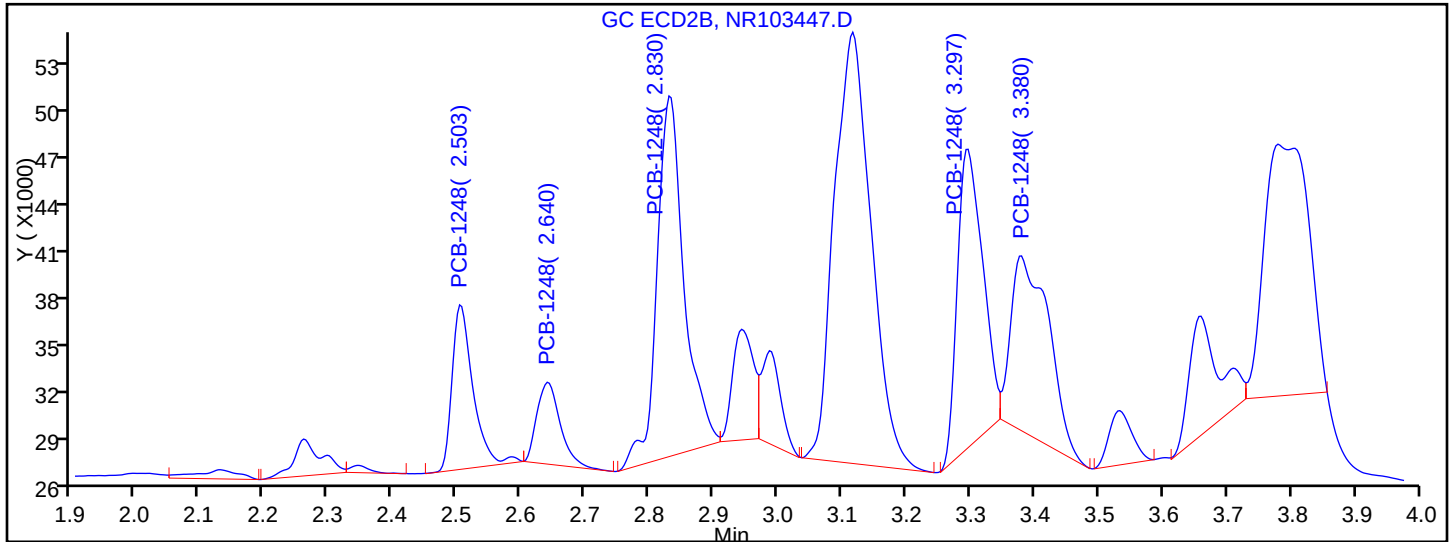


Y Scaling:



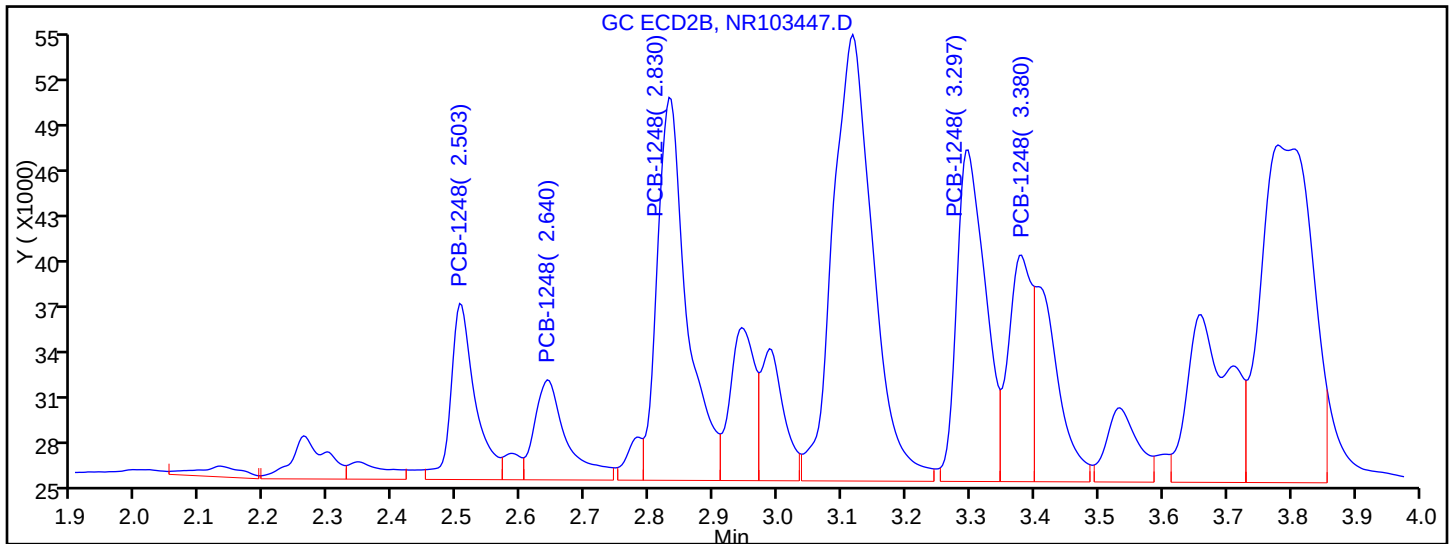
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103447.D
Injection Date: 29-Aug-2013 21:46:46 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 19
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
35 PCB-1248, Detector: 2, GC ECD2B



Processing Integration Results

RT = 2.503	Response = 23750	M
RT = 2.640	Response = 13227	M
RT = 2.830	Response = 67440	M
RT = 3.297	Response = 52326	M
RT = 3.380	Response = 46834	M



Manual Integration Results

RT = 2.503	Response = 29854	M
RT = 2.640	Response = 22467	M
RT = 2.830	Response = 79507	M
RT = 3.297	Response = 66432	M
RT = 3.380	Response = 36886	M

Reviewer: foleysont, 04-Sep-2013 13:33:19

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103448.D
 Lims ID: IC 1248 L3 Client ID:
 Inject. Date: 29-Aug-2013 22:01:02 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 460-0004127-020
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 20
 Lims Batch ID: 178893 Lims Sample ID: 20
 Sublist: chrom-608GC6*sub29
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:49 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:28:59

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

35 PCB-1248 M

1	3.137	3.137	0.0	14473	907.2	a
1	3.847	3.847	0.0	15384	910.3	a
1	4.243	4.243	0.0	25215	962.5	a
1	6.063	6.063	0.0	34303	1012.5	a
1	6.160	6.160	0.0	42420	992.5	a

Average of Peak Amounts = 957.0

2	2.503	2.503	0.0	48506	952.2	a
2	2.640	2.640	0.0	33452	893.7	a
2	2.830	2.830	0.0	139680	984.8	M
2	3.293	3.293	0.0	118564	991.6	a
2	3.377	3.377	0.0	62107	924.0	M

Average of Peak Amounts = 949.3

RPD = 0.81

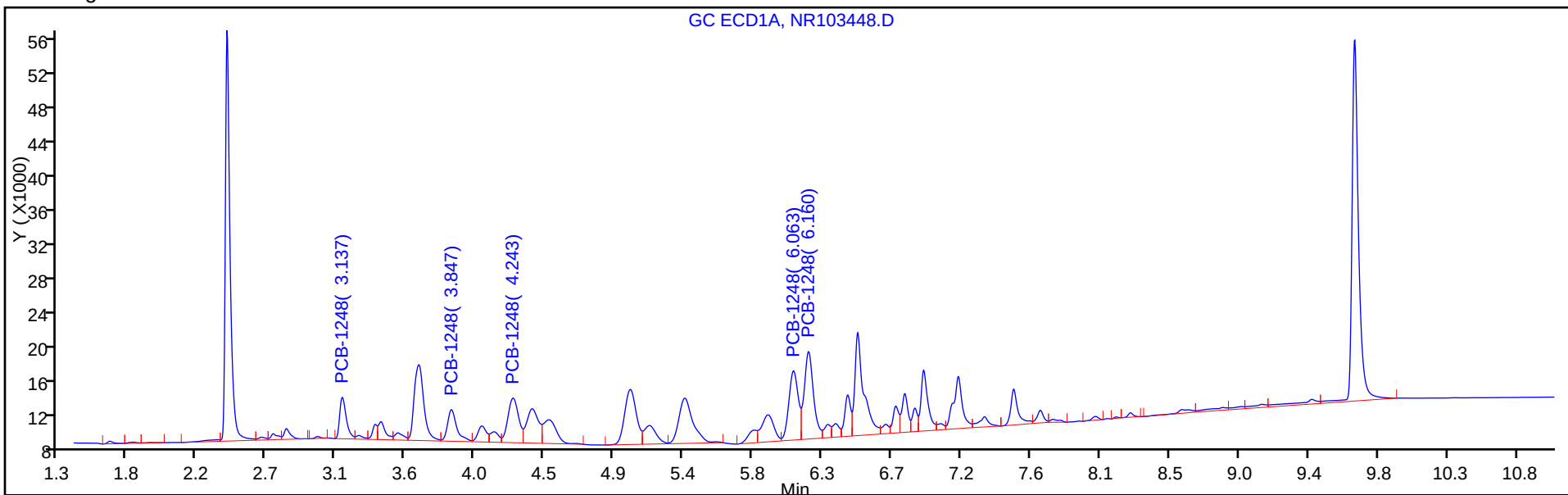
QC Flag Legend

Review Flags

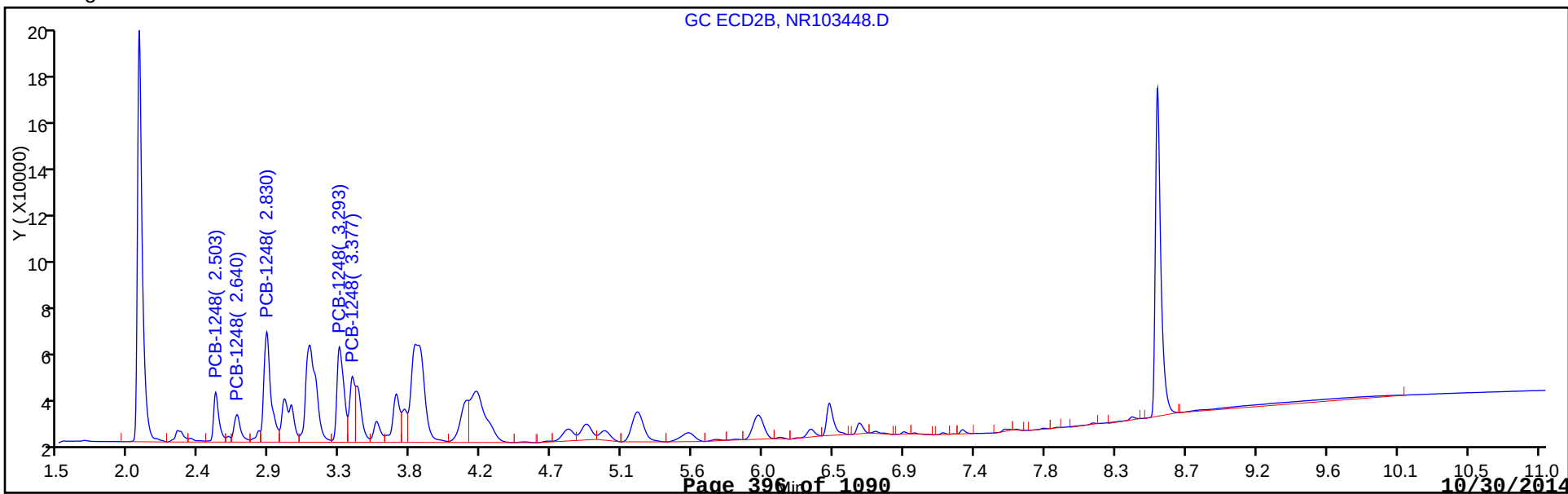
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103448.D
Injection Date: 29-Aug-2013 22:01:02 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 20
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

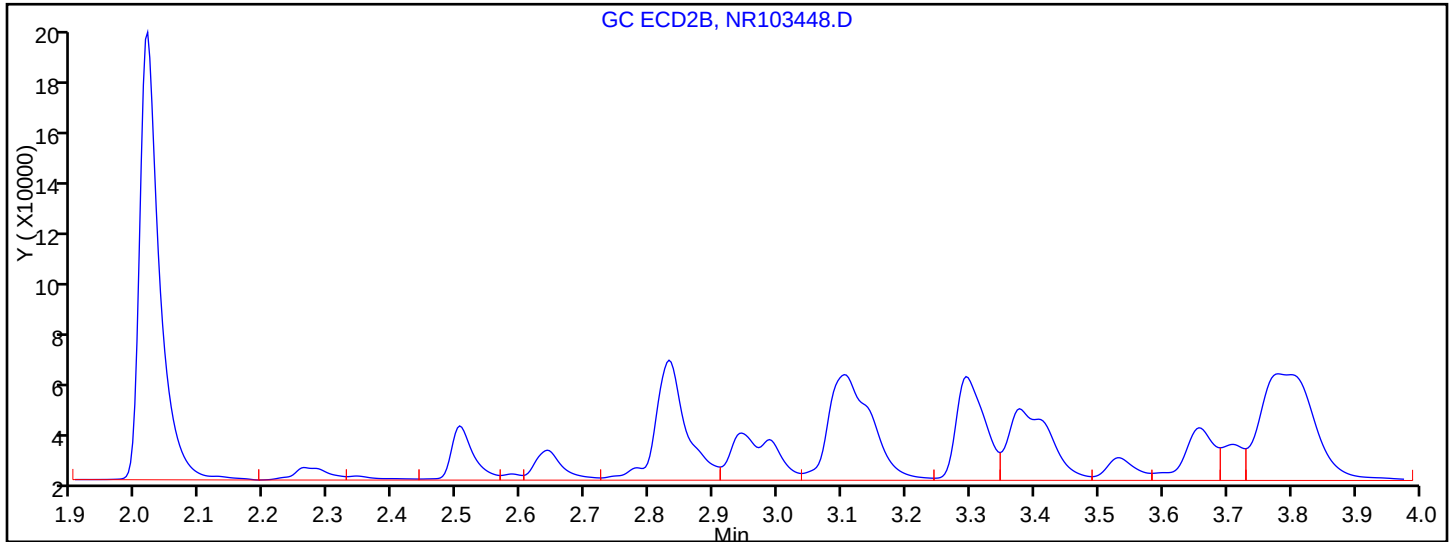


Y Scaling:



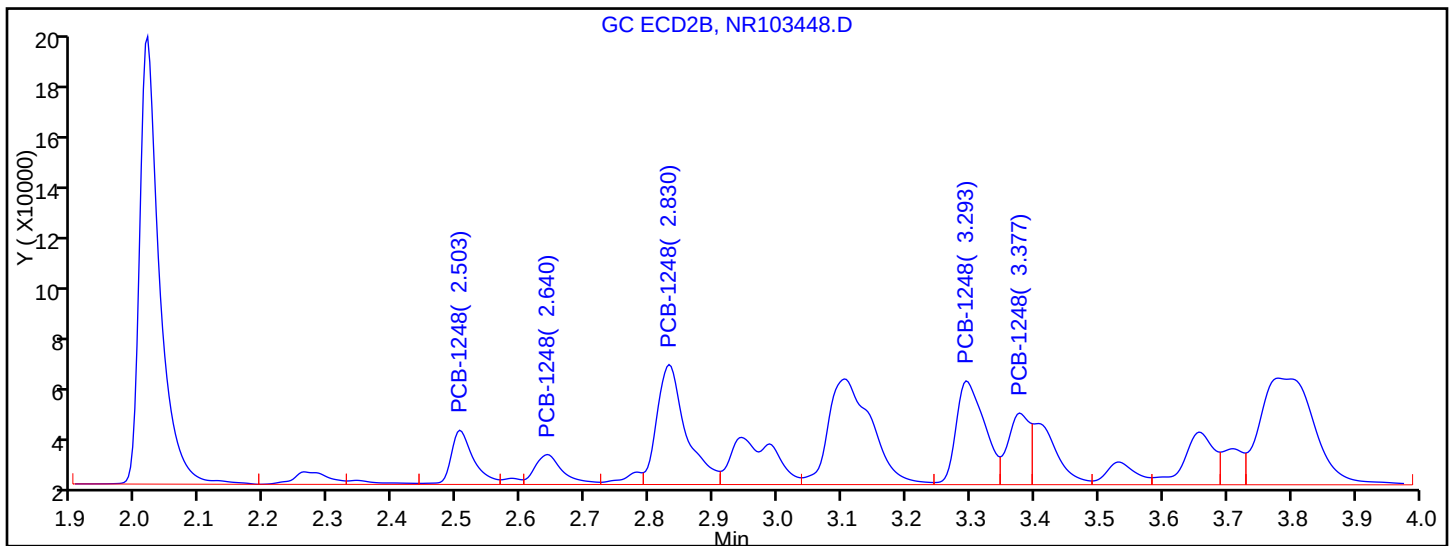
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103448.D
Injection Date: 29-Aug-2013 22:01:02 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 20
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
35 PCB-1248, Detector: 2, GC ECD2B



Processing Integration Results

RT = 2.640	Response = 33452	M
RT = 2.943	Response = 81862	M
RT = 3.377	Response = 121432	M
RT = 0.000	Response = 0	M
RT = 3.710	Response = 30234	M



Manual Integration Results

RT = 2.503	Response = 48506	M
RT = 2.640	Response = 33452	M
RT = 2.830	Response = 139680	M
RT = 3.293	Response = 118564	M
RT = 3.377	Response = 62107	M

Reviewer: foleysont, 04-Sep-2013 13:28:59

Audit Action: Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103449.D
 Lims ID: IC 1248 L4 Client ID:
 Inject. Date: 29-Aug-2013 22:14:37 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 460-0004127-021
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 21
 Lims Batch ID: 178893 Lims Sample ID: 21
 Sublist: chrom-608GC6*sub29
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:28:26 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:31:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

35 PCB-1248 M

1 3.133 3.137 -0.004 25874 1615.4 M

1 3.840 3.847 -0.007 27489 1626.6 M

1 4.237 4.243 -0.006 40542 1548.2 M

1 6.057 6.063 -0.006 52042 1536.1

1 6.157 6.160 -0.003 64496 1509.0

Average of Peak Amounts = 1567.1

2 2.503 2.503 0.0 75235 1582.1 M

2 2.640 2.640 0.0 55593 1643.4 M

2 2.830 2.830 0.0 213540 1551.9 M

2 3.293 3.293 0.0 181211 1557.5 M

2 3.377 3.377 0.0 102738 1629.2 M

Average of Peak Amounts = 1592.8

RPD = 1.63

QC Flag Legend

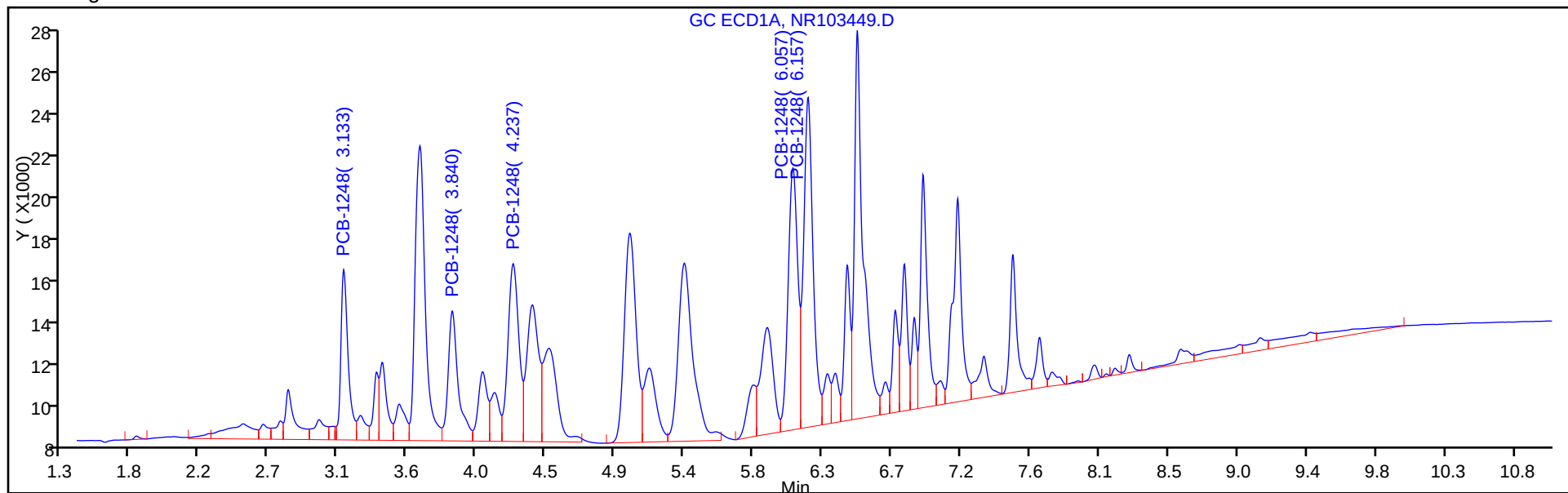
Review Flags

M - Manually Integrated

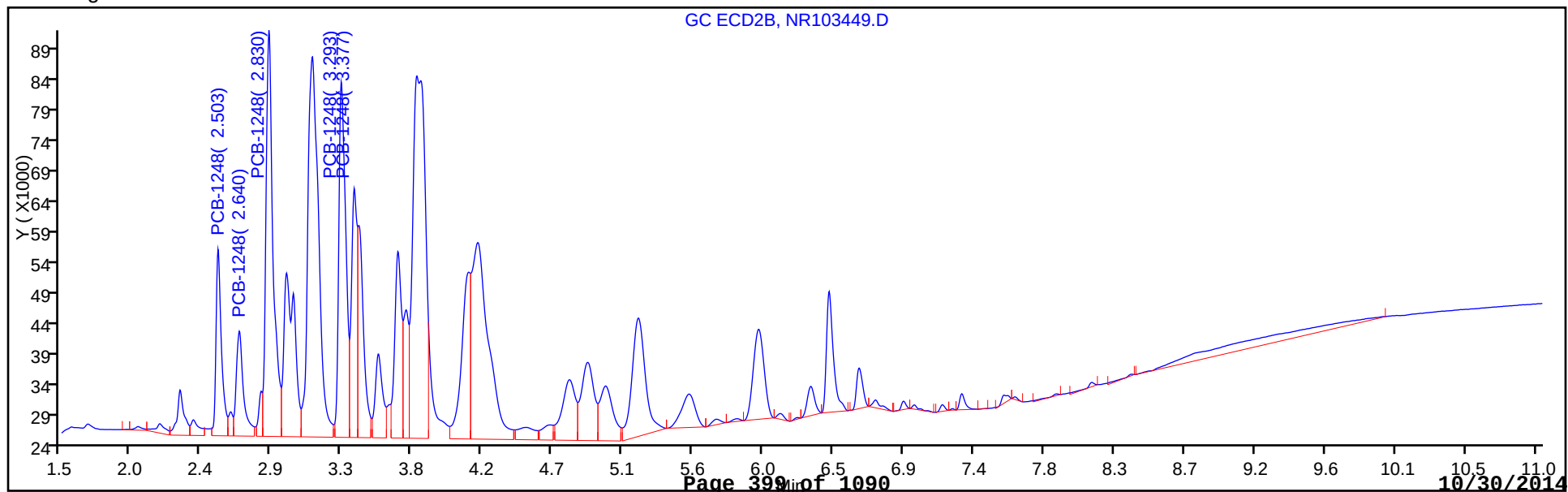
TestAmerica Edison

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Injection Date: 29-Aug-2013 22:14:37 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 21
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:

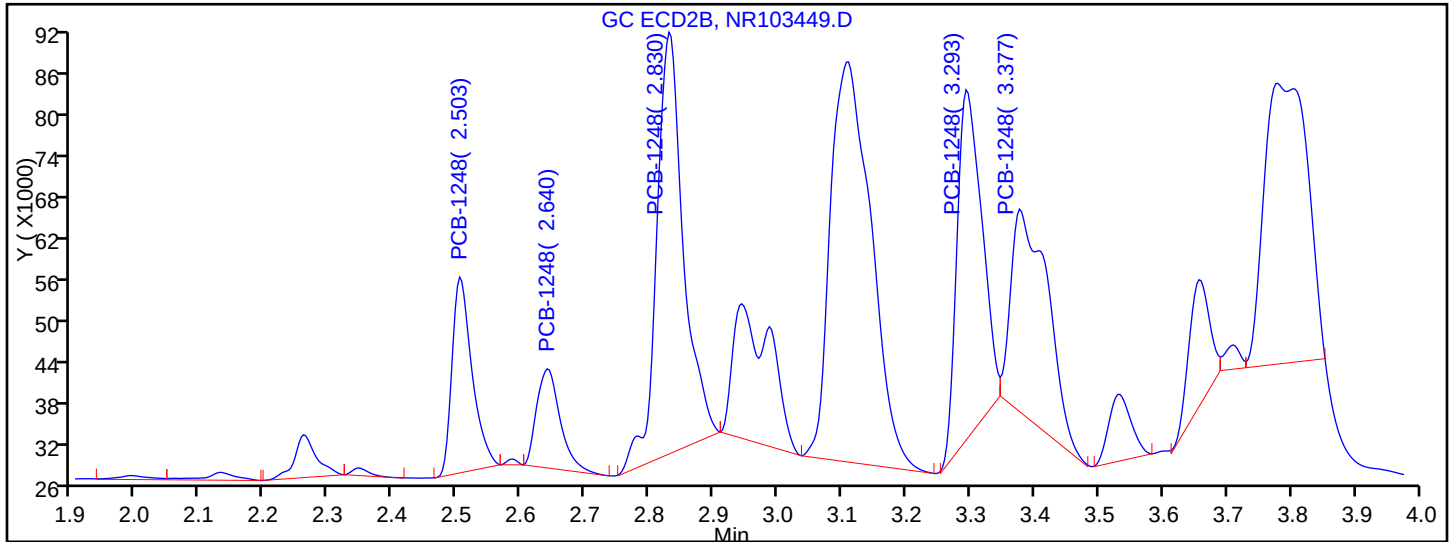


Y Scaling:



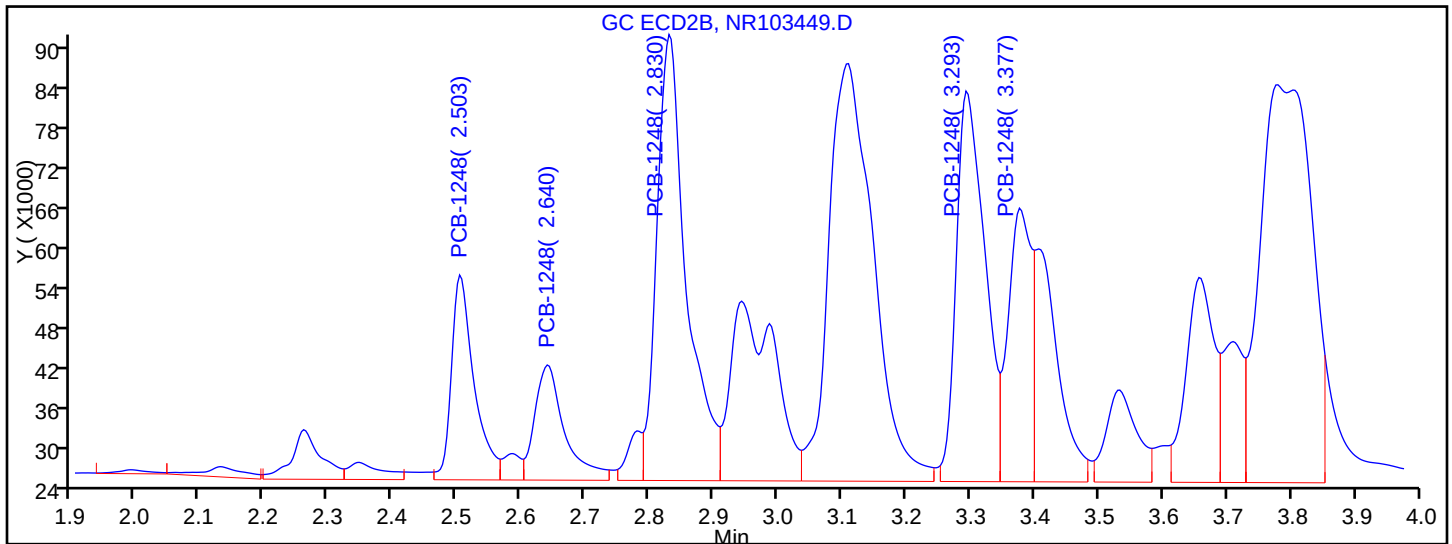
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103449.D
Injection Date: 29-Aug-2013 22:14:37 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 21
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
35 PCB-1248, Detector: 2, GC ECD2B



Processing Integration Results

RT = 2.503	Response = 62199	M
RT = 2.640	Response = 37153	M
RT = 2.830	Response = 179947	M
RT = 3.293	Response = 137775	M
RT = 3.377	Response = 122420	M



Manual Integration Results

RT = 2.503	Response = 75235	M
RT = 2.640	Response = 55593	M
RT = 2.830	Response = 213540	M
RT = 3.293	Response = 181211	M
RT = 3.377	Response = 102738	M

Reviewer: foleysont, 04-Sep-2013 13:31:32

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103450.D
 Lims ID: IC 1248 L5 Client ID:
 Inject. Date: 29-Aug-2013 22:28:53 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 460-0004127-022
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 22
 Lims Batch ID: 178893 Lims Sample ID: 22
 Sublist: chrom-608GC6*sub29
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:28:27 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:32:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

35 PCB-1248 M

1	3.137	3.137	0.0	39534	2463.9	
1	3.847	3.847	0.0	43522	2575.3	
1	4.243	4.243	0.0	64958	2481.3	
1	6.063	6.063	0.0	87634	2586.7	M
1	6.160	6.160	0.0	105814	2475.6	M

Average of Peak Amounts = 2516.6

2	2.503	2.503	0.0	112806	2467.6	M
2	2.640	2.640	0.0	79480	2452.3	M
2	2.830	2.830	0.0	333223	2471.0	M
2	3.293	3.293	0.0	281711	2465.4	M
2	3.377	3.377	0.0	150353	2455.5	M

Average of Peak Amounts = 2462.4

RPD = 2.18

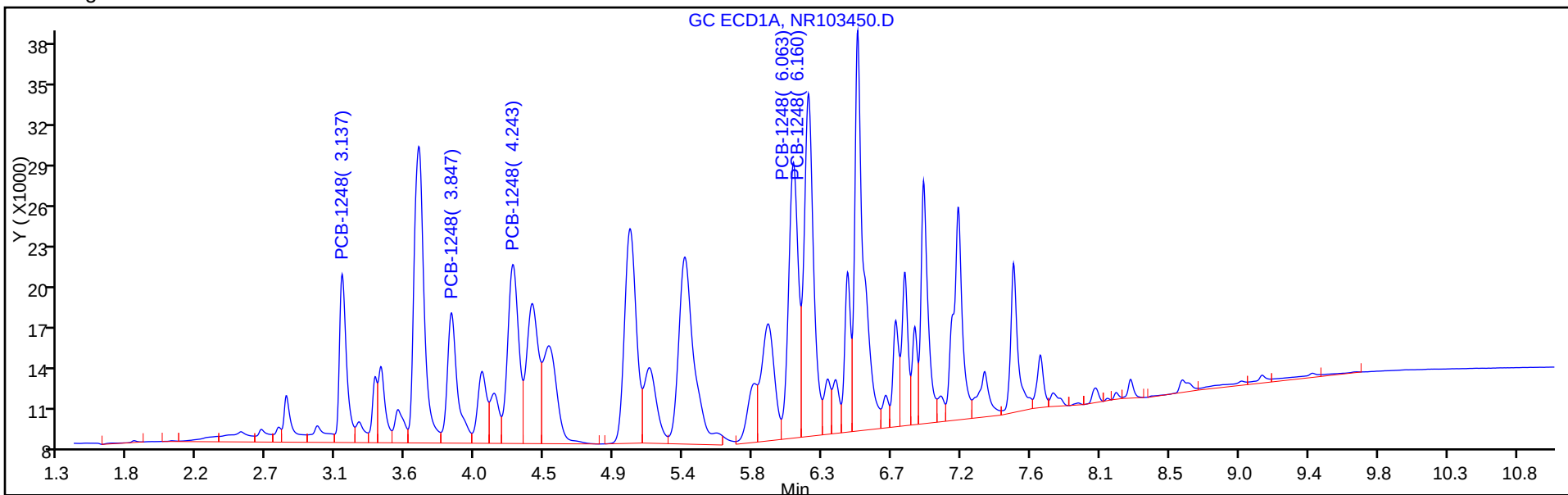
QC Flag Legend

Review Flags

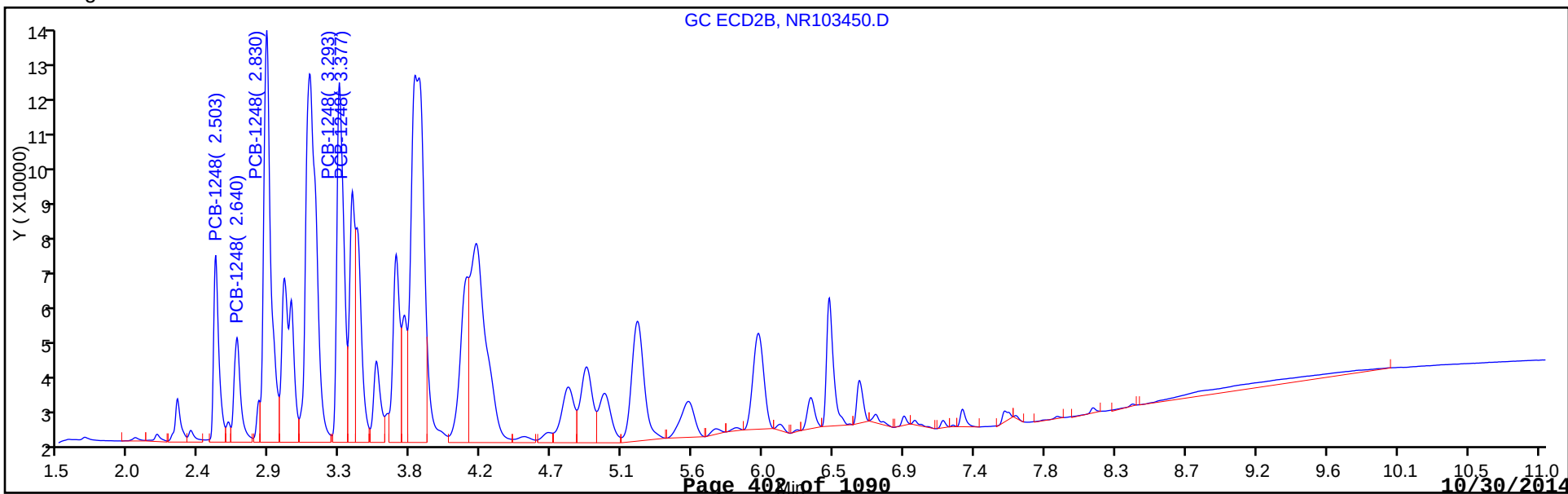
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103450.D
Injection Date: 29-Aug-2013 22:28:53 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 22
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

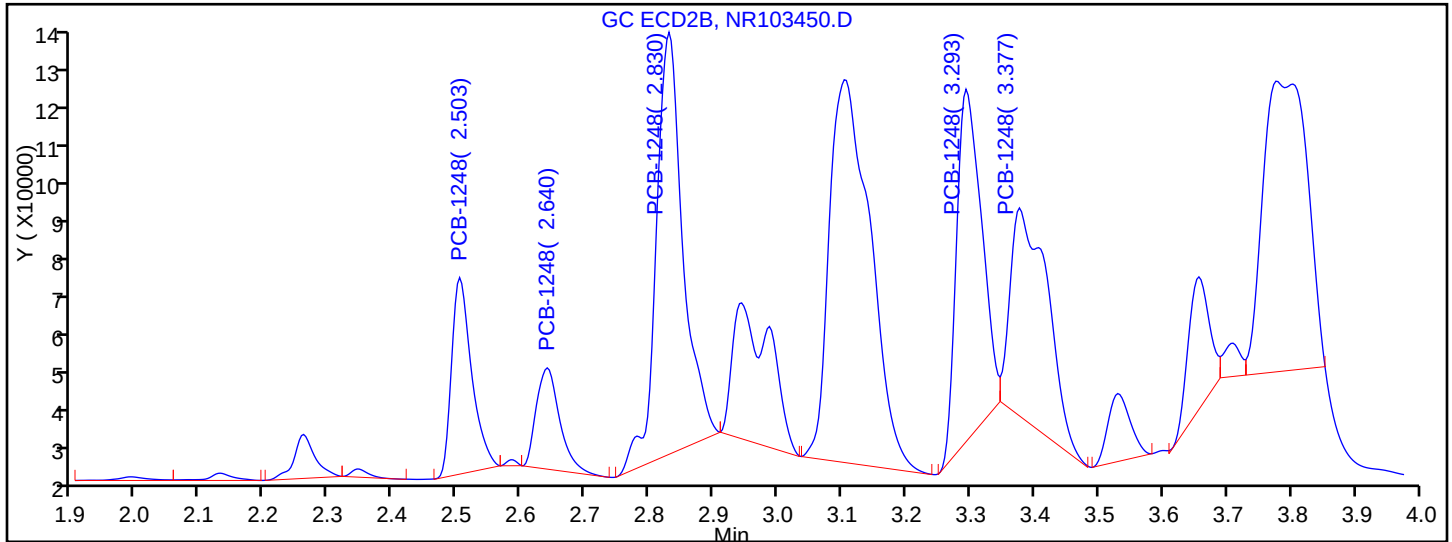


Y Scaling:



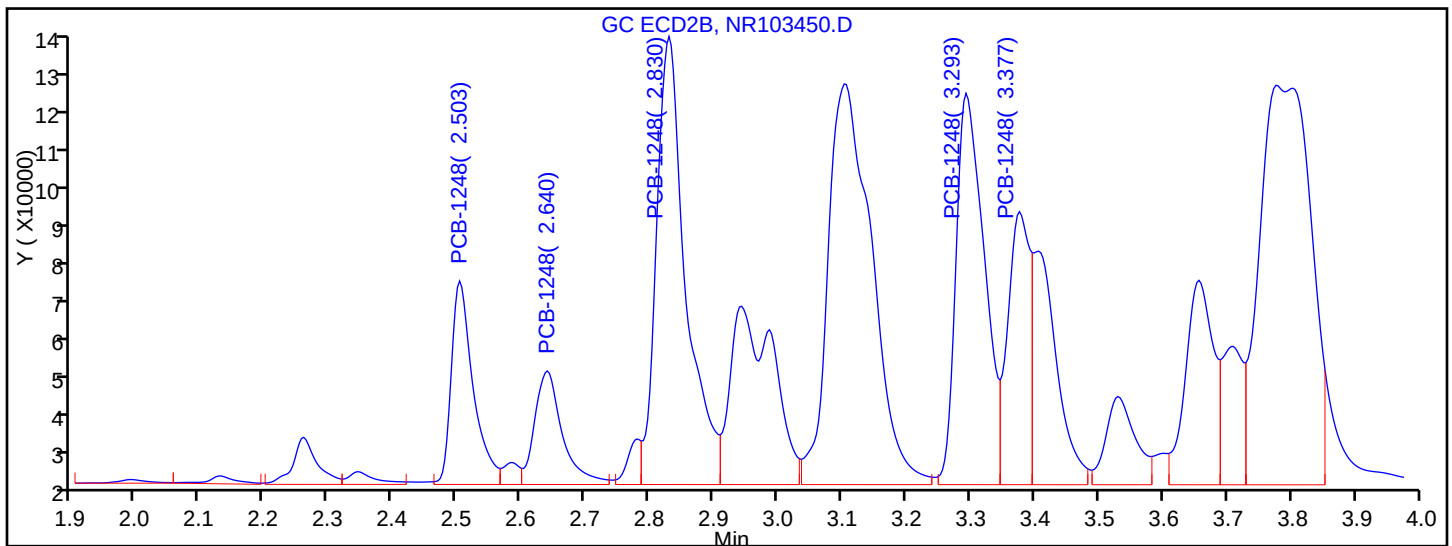
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103450.D
Injection Date: 29-Aug-2013 22:28:53 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 22
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
35 PCB-1248, Detector: 2, GC ECD2B



Processing Integration Results

RT = 2.503	Response = 99622	M
RT = 2.640	Response = 59960	M
RT = 2.830	Response = 286486	M
RT = 3.293	Response = 222369	M
RT = 3.377	Response = 201292	M



Manual Integration Results

RT = 2.503	Response = 112806	M
RT = 2.640	Response = 79480	M
RT = 2.830	Response = 333223	M
RT = 3.293	Response = 281711	M
RT = 3.377	Response = 150353	M

Reviewer: foleysont, 04-Sep-2013 13:32:20

Audit Action: Assigned New Baseline

Audit Reason: Baseline

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 22:43 Calibration End Date: 08/29/2013 23:40 Calibration ID: 29075

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/23	NR103451.D
Level 2	IC 460-178893/24	NR103452.D
Level 3	IC 460-178893/25	NR103453.D
Level 4	IC 460-178893/26	NR103454.D
Level 5	IC 460-178893/27	NR103455.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1254 Peak 1	6.413	6.413	6.413	6.413	6.413						6.313 - 6.513	6.413
PCB-1254 Peak 2	6.783	6.783	6.787	6.783	6.783						6.687 - 6.887	6.784
PCB-1254 Peak 3	6.907	6.907	6.907	6.907	6.907						6.807 - 7.007	6.907
PCB-1254 Peak 4	7.487	7.483	7.483	7.483	7.483						7.383 - 7.583	7.484
PCB-1254 Peak 5	8.013	8.013	8.010	8.010	8.010						7.910 - 8.110	8.011

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 22:43 Calibration End Date: 08/29/2013 23:40 Calibration ID: 29075

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/23	NR103451.D
Level 2	IC 460-178893/24	NR103452.D
Level 3	IC 460-178893/25	NR103453.D
Level 4	IC 460-178893/26	NR103454.D
Level 5	IC 460-178893/27	NR103455.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 3	LVL 4		B	M1	M2								
PCB-1254 Peak 1	45.460 42.284	50.534	45.965	44.146	Ave		45.6777200				6.7		10.0			
PCB-1254 Peak 2	35.620 31.361	35.132	32.689	31.999	Ave		33.3603067				5.7		10.0			
PCB-1254 Peak 3	75.000 67.921	75.788	71.442	69.577	Ave		71.9456267				4.7		10.0			
PCB-1254 Peak 4	56.540 48.150	51.988	49.243	48.175	Ave		50.8191333				7.0		10.0			
PCB-1254 Peak 5	17.560 15.756	16.096	15.401	16.068	Ave		16.1762800				5.1		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 22:43 Calibration End Date: 08/29/2013 23:40 Calibration ID: 29075

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/23	NR103451.D
Level 2	IC 460-178893/24	NR103452.D
Level 3	IC 460-178893/25	NR103453.D
Level 4	IC 460-178893/26	NR103454.D
Level 5	IC 460-178893/27	NR103455.D

ANALYTE	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
PCB-1254 Peak 1	Ave	2273	25267	45965	66219	105709	50.0	500	1000	1500	2500
PCB-1254 Peak 2	Ave	1781	17566	32689	47999	78403	50.0	500	1000	1500	2500
PCB-1254 Peak 3	Ave	3750	37894	71442	104366	169802	50.0	500	1000	1500	2500
PCB-1254 Peak 4	Ave	2827	25994	49243	72262	120375	50.0	500	1000	1500	2500
PCB-1254 Peak 5	Ave	878	8048	15401	24102	39391	50.0	500	1000	1500	2500

Curve Type Legend:

Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103451.D
 Lims ID: IC 1254 L1 Client ID:
 Inject. Date: 29-Aug-2013 22:43:03 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 460-0004127-023
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 23
 Lims Batch ID: 178893 Lims Sample ID: 23
 Sublist: chrom-608GC6*sub30
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:53 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:51:05

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

39 PCB-1254 M

1 6.413 6.413 0.0 2273 49.8 M

1 6.783 6.787 -0.004 1781 53.4 M

1 6.907 6.907 0.0 3750 52.1 M

1 7.487 7.483 0.004 2827 55.6 M

1 8.013 8.010 0.003 878 54.3 M

Average of Peak Amounts = 53.0

2 4.153 4.153 0.0 12214 54.2 M

2 4.873 4.873 0.0 7099 54.3 M

2 5.200 5.197 0.003 12999 54.6

2 5.973 5.973 0.0 9145 47.8

2 6.900 6.900 0.0 2921 50.4 M

Average of Peak Amounts = 52.3

RPD = 1.48

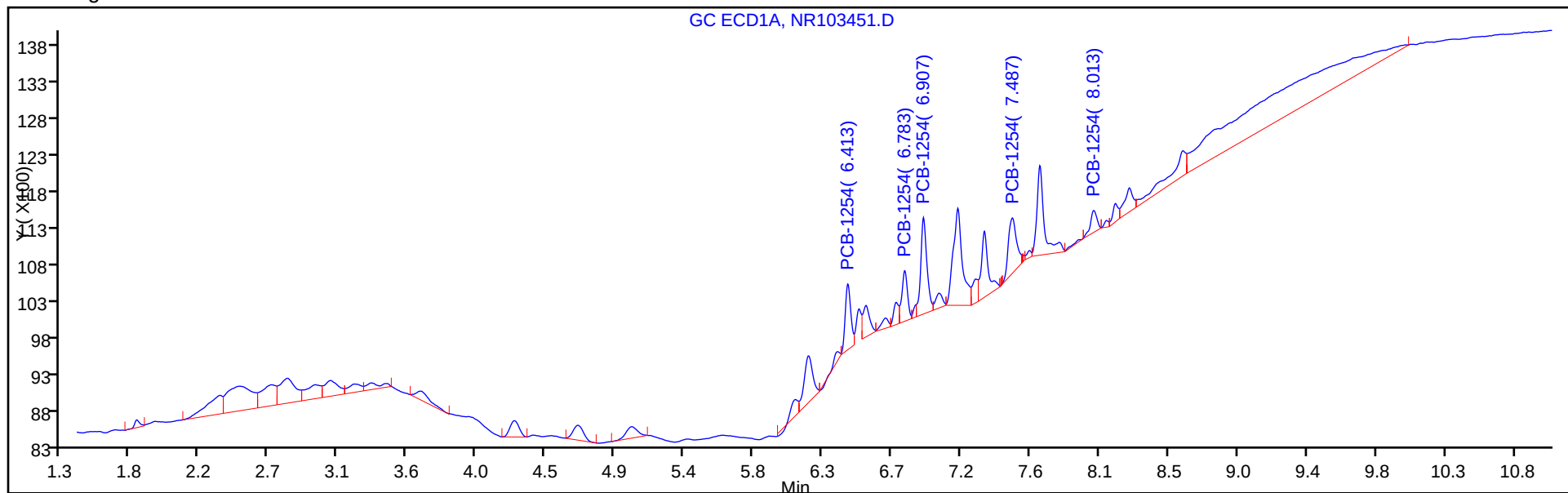
QC Flag Legend

Review Flags

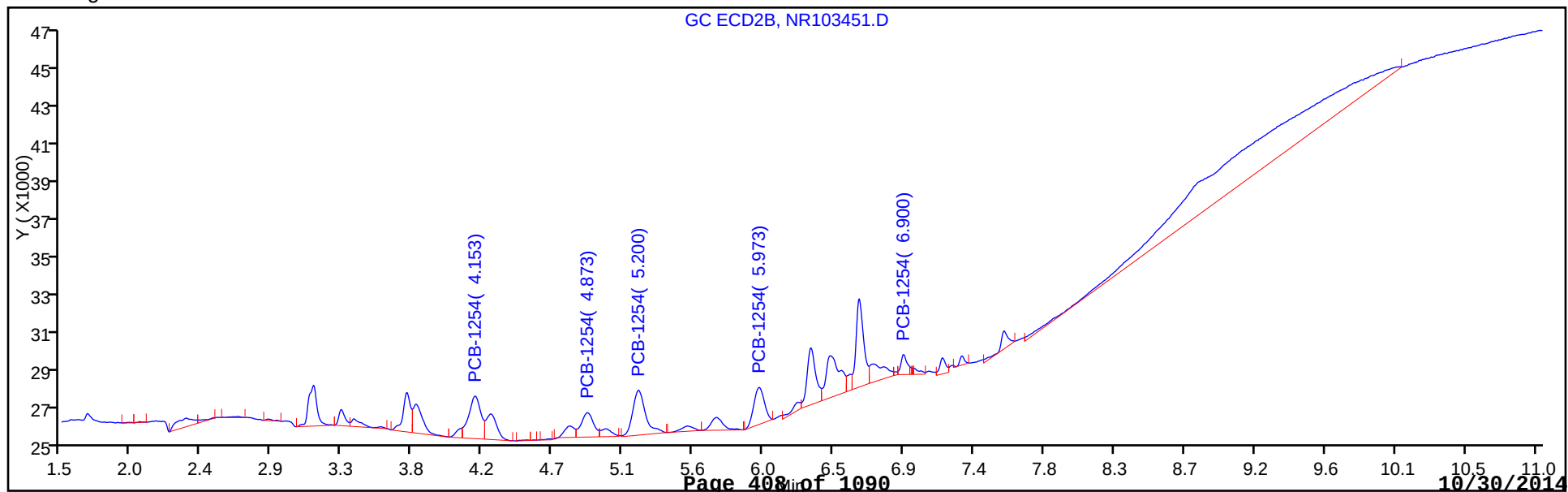
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103451.D
Injection Date: 29-Aug-2013 22:43:03 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 23
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



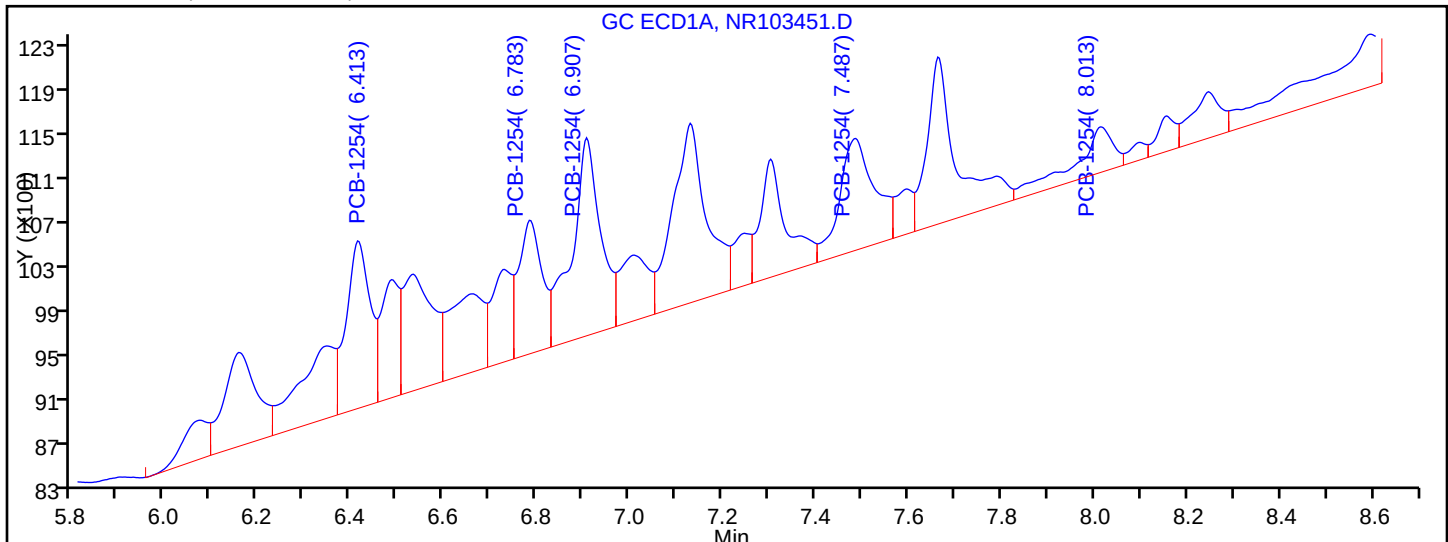
Y Scaling:



TestAmerica Edison

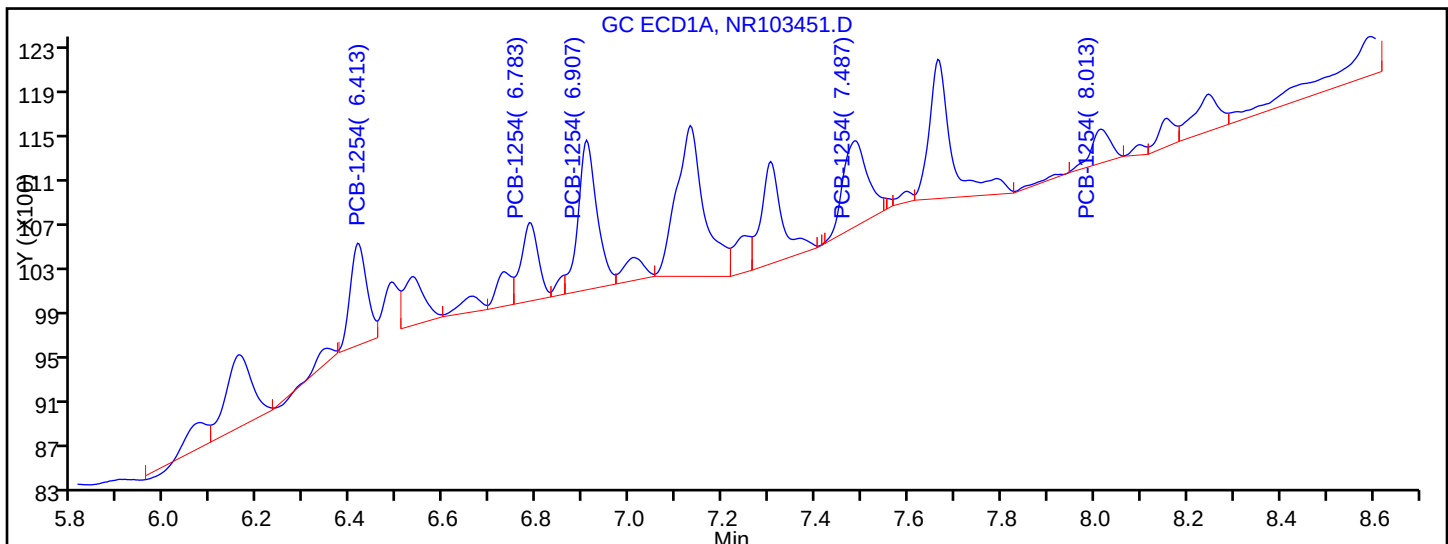
Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103451.D
Injection Date: 29-Aug-2013 22:43:03 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 23
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

39 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.413	Response = 5285	M
RT = 6.783	Response = 4102	M
RT = 6.907	Response = 7577	M
RT = 7.487	Response = 5196	M
RT = 8.013	Response = 2400	M



Manual Integration Results

RT = 6.413	Response = 2273	M
RT = 6.783	Response = 1781	M
RT = 6.907	Response = 3750	M
RT = 7.487	Response = 2827	M
RT = 8.013	Response = 878	M

Reviewer: foleysont, 04-Sep-2013 13:52:33

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103452.D
 Lims ID: IC 1254 L2 Client ID:
 Inject. Date: 29-Aug-2013 22:57:20 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 460-0004127-024
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 24
 Lims Batch ID: 178893 Lims Sample ID: 24
 Sublist: chrom-608GC6*sub30
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:55 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:49:18

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

39 PCB-1254 M

1 6.413 6.413 0.0 25267 553.2

1 6.783 6.787 -0.004 17566 526.6

1 6.907 6.907 0.0 37894 526.7

1 7.483 7.483 0.0 25994 511.5 M

1 8.013 8.010 0.003 8048 497.5

Average of Peak Amounts = 523.1

2 4.153 4.153 0.0 117606 521.6 M

2 4.870 4.873 -0.003 65167 498.2 M

2 5.200 5.197 0.003 115826 486.7

2 5.970 5.973 -0.003 95409 498.7 M

2 6.900 6.900 0.0 27779 479.3 M

Average of Peak Amounts = 496.9

RPD = 5.13

QC Flag Legend

Review Flags

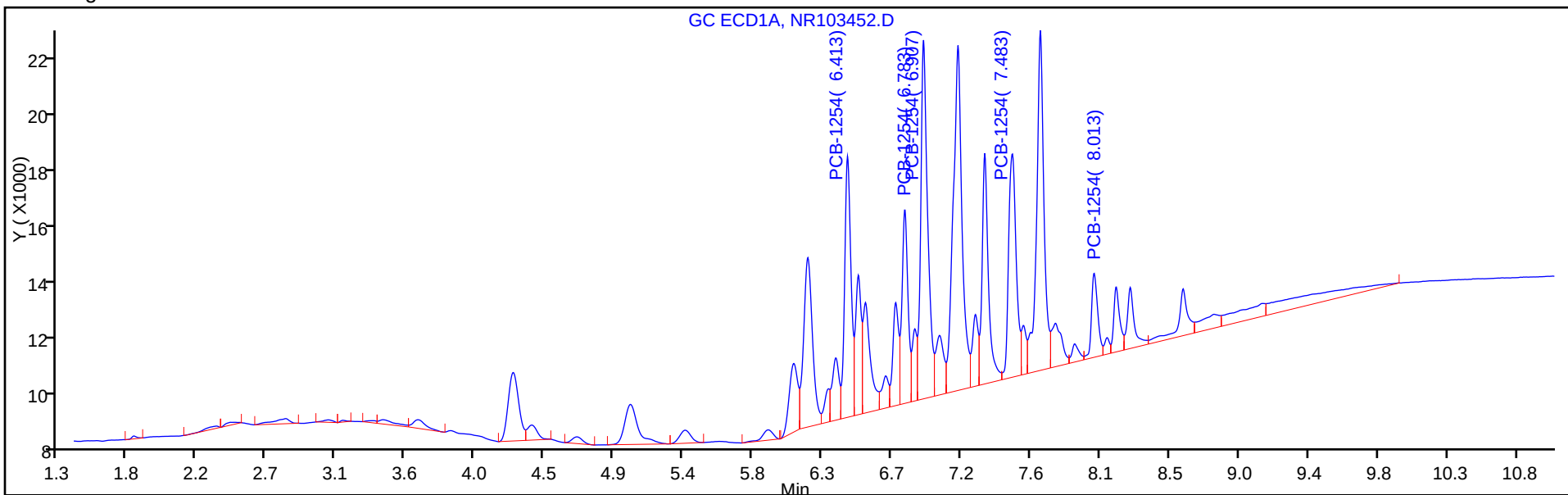
M - Manually Integrated

Report Date: 06-Sep-2013 15:27:55

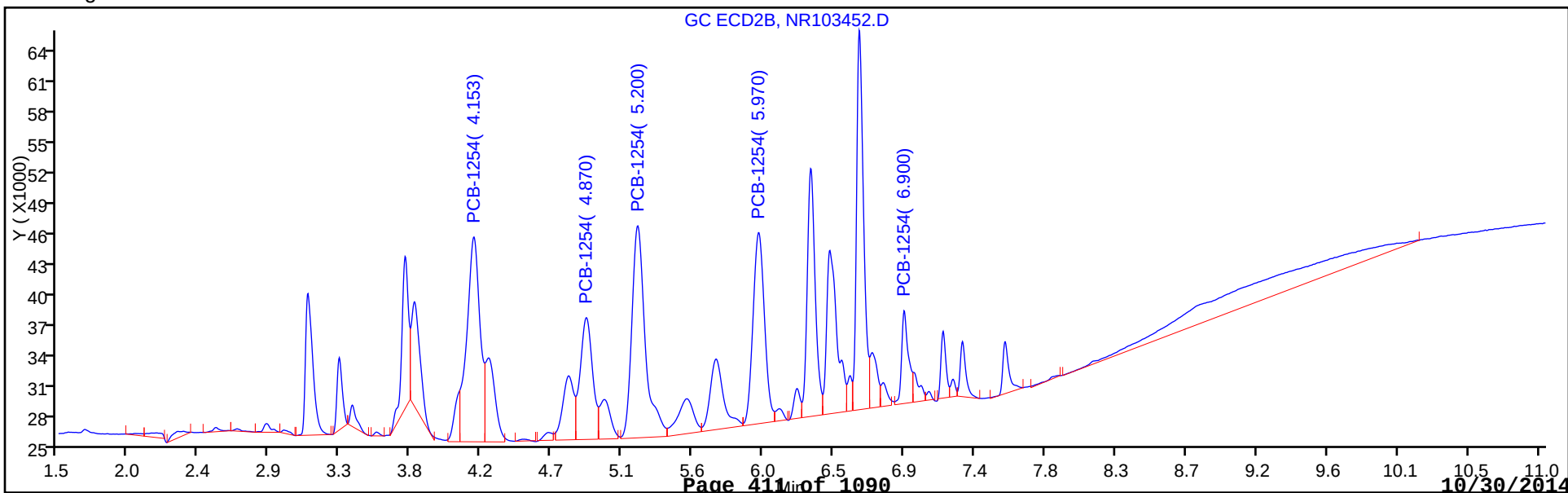
Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103452.D
Injection Date: 29-Aug-2013 22:57:20 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 24
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



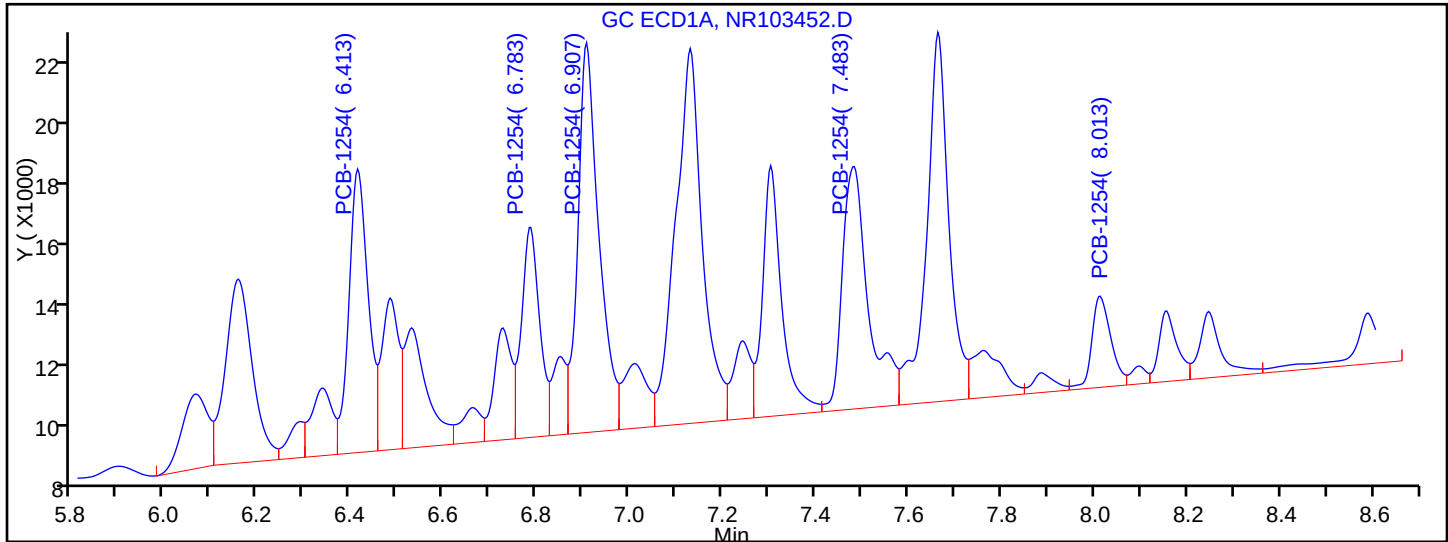
Y Scaling:



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103452.D
Injection Date: 29-Aug-2013 22:57:20 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 24
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

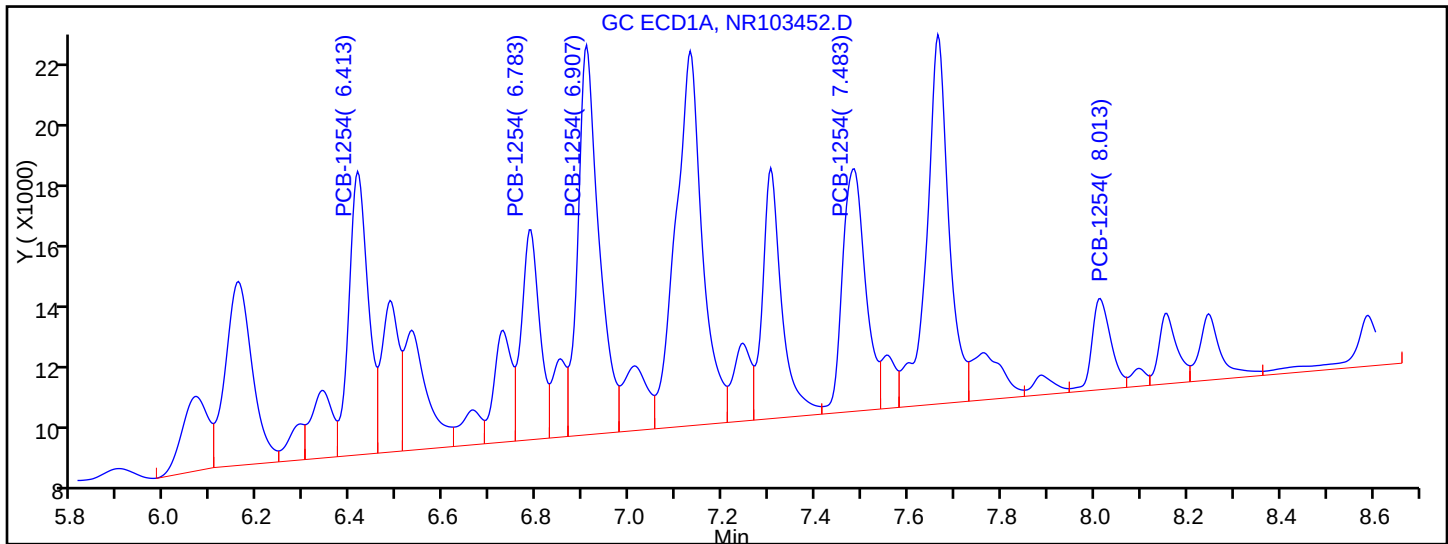
39 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.413	Response = 25267
RT = 6.783	Response = 17566
RT = 6.907	Response = 37894
RT = 7.483	Response = 29464
RT = 8.013	Response = 8048

M



Manual Integration Results

RT = 6.413	Response = 25267
RT = 6.783	Response = 17566
RT = 6.907	Response = 37894
RT = 7.483	Response = 25994
RT = 8.013	Response = 8048

M

Reviewer: foleysont, 04-Sep-2013 13:49:18

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103453.D
 Lims ID: IC 1254 L3 Client ID:
 Inject. Date: 29-Aug-2013 23:11:32 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 460-0004127-025
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 25
 Lims Batch ID: 178893 Lims Sample ID: 25
 Sublist: chrom-608GC6*sub30
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:56 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:48:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

39 PCB-1254						M
1	6.413	6.413	0.0	45965	1006.3	a
1	6.787	6.787	0.0	32689	979.9	a
1	6.907	6.907	0.0	71442	993.0	a
1	7.483	7.483	0.0	49243	969.0	M
1	8.010	8.010	0.0	15401	952.1	a

Average of Peak Amounts = 980.0

2	4.153	4.153	0.0	227745	1010.1	M
2	4.873	4.873	0.0	137417	1050.6	M
2	5.197	5.197	0.0	243782	1024.5	M
2	5.973	5.973	0.0	197589	1032.8	M
2	6.900	6.900	0.0	60062	1036.3	M

Average of Peak Amounts = 1030.9

RPD = 5.05

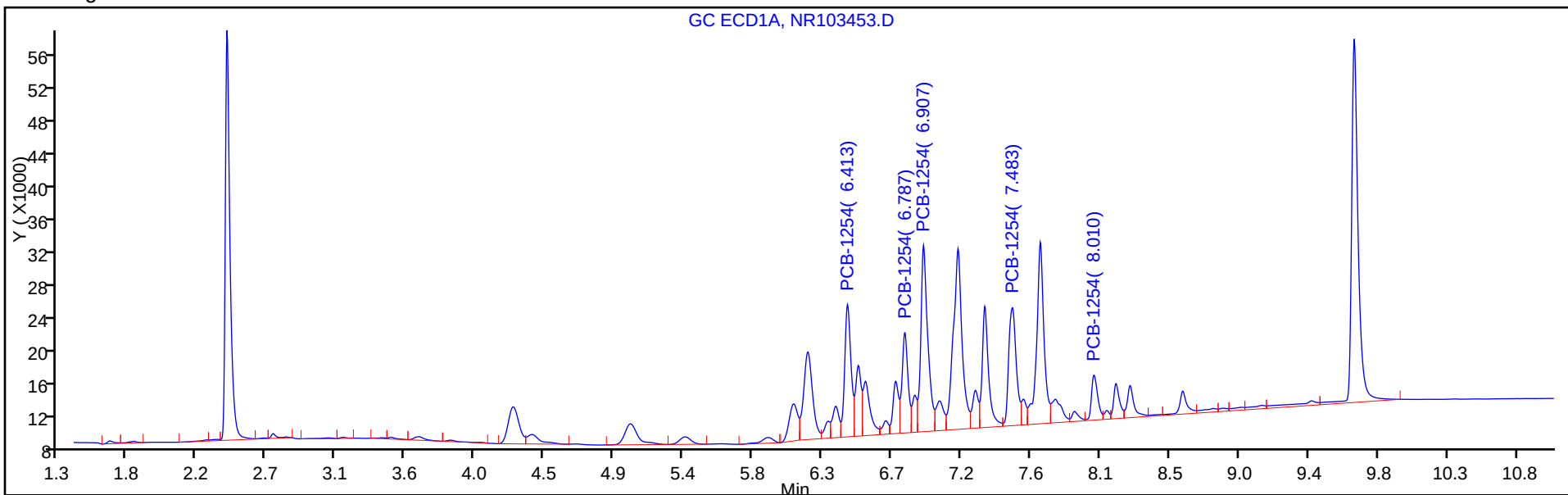
QC Flag Legend

Review Flags

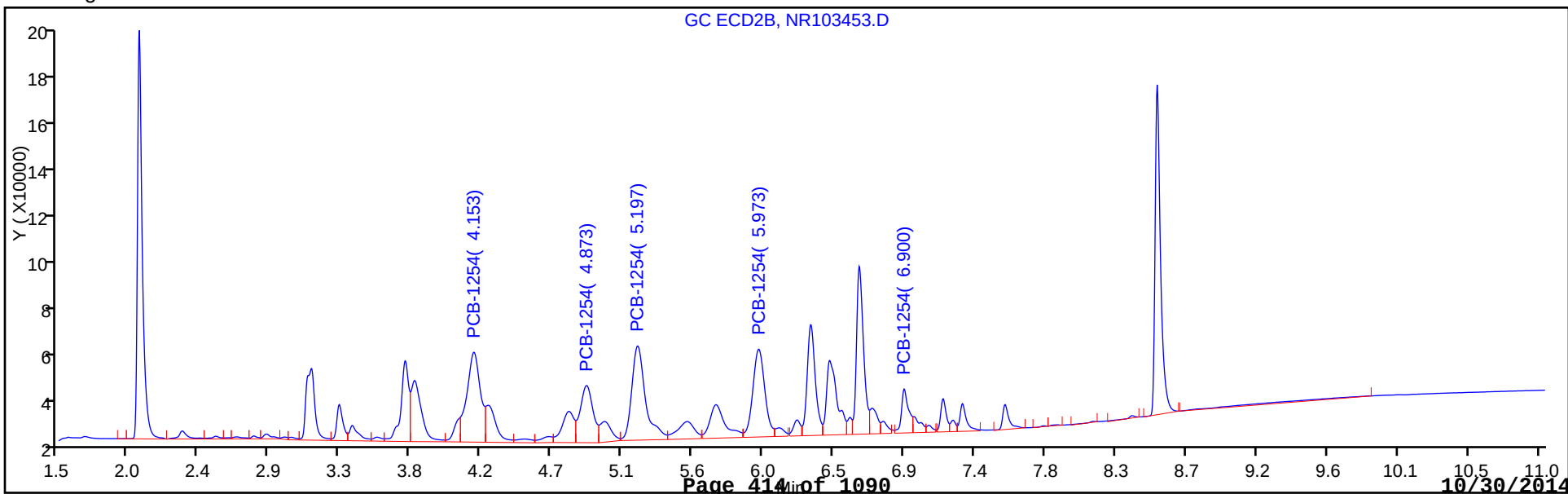
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103453.D
Injection Date: 29-Aug-2013 23:11:32 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 25
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



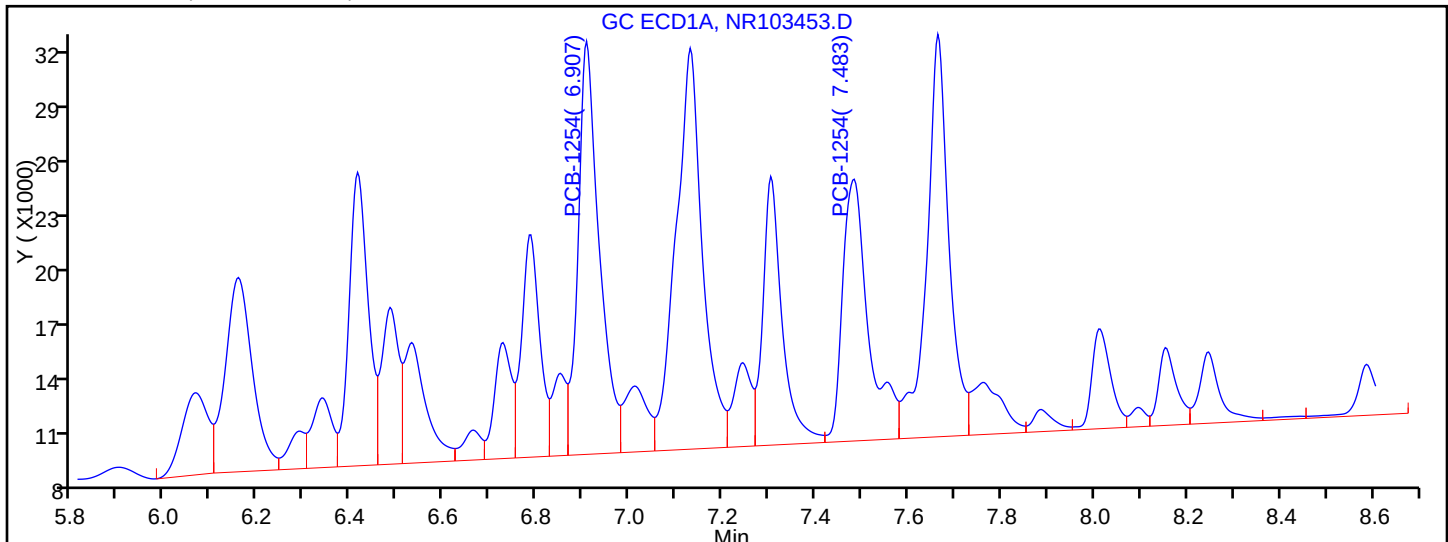
Y Scaling:



TestAmerica Edison

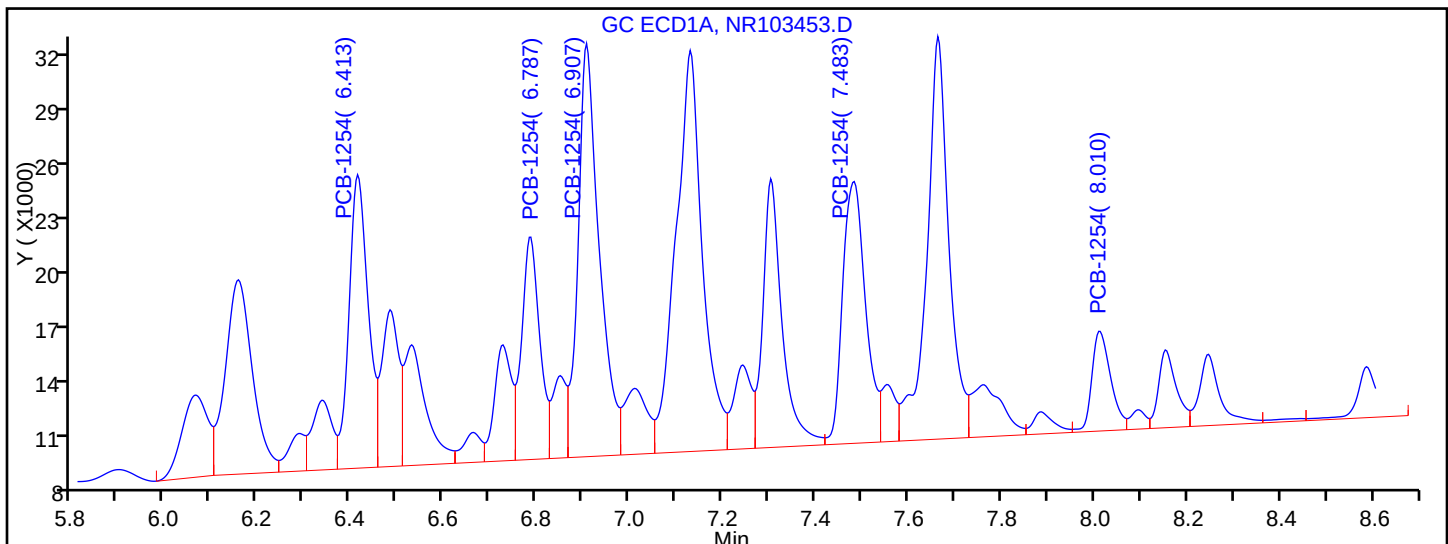
Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103453.D
Injection Date: 29-Aug-2013 23:11:32 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 25
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

39 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.483	Response = 21789	M
RT = 6.850	Response = 9507	M
RT = 6.907	Response = 71442	M
RT = 7.483	Response = 55770	M
RT = 8.247	Response = 11856	M



Manual Integration Results

RT = 6.413	Response = 45965	M
RT = 6.787	Response = 32689	M
RT = 6.907	Response = 71442	M
RT = 7.483	Response = 49243	M
RT = 8.010	Response = 15401	M

Reviewer: foleysont, 04-Sep-2013 13:48:04

Audit Action: Assigned Compound ID

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103454.D
 Lims ID: IC 1254 L4 Client ID:
 Inject. Date: 29-Aug-2013 23:25:48 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 460-0004127-026
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 26
 Lims Batch ID: 178893 Lims Sample ID: 26
 Sublist: chrom-608GC6*sub30
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:58 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:53:25

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

39 PCB-1254 M

1	6.413	6.413	0.0	66219	1449.7	
1	6.783	6.787	-0.004	47999	1438.8	
1	6.907	6.907	0.0	104366	1450.6	
1	7.483	7.483	0.0	72262	1421.9	
1	8.010	8.010	0.0	24102	1490.0	

Average of Peak Amounts = 1450.2

2	4.150	4.153	-0.003	319759	1418.2	M
2	4.873	4.873	0.0	186272	1424.1	M
2	5.197	5.197	0.0	343032	1441.5	M
2	5.970	5.973	-0.003	286350	1496.8	M
2	6.900	6.900	0.0	87606	1511.6	M

Average of Peak Amounts = 1458.4

RPD = 0.57

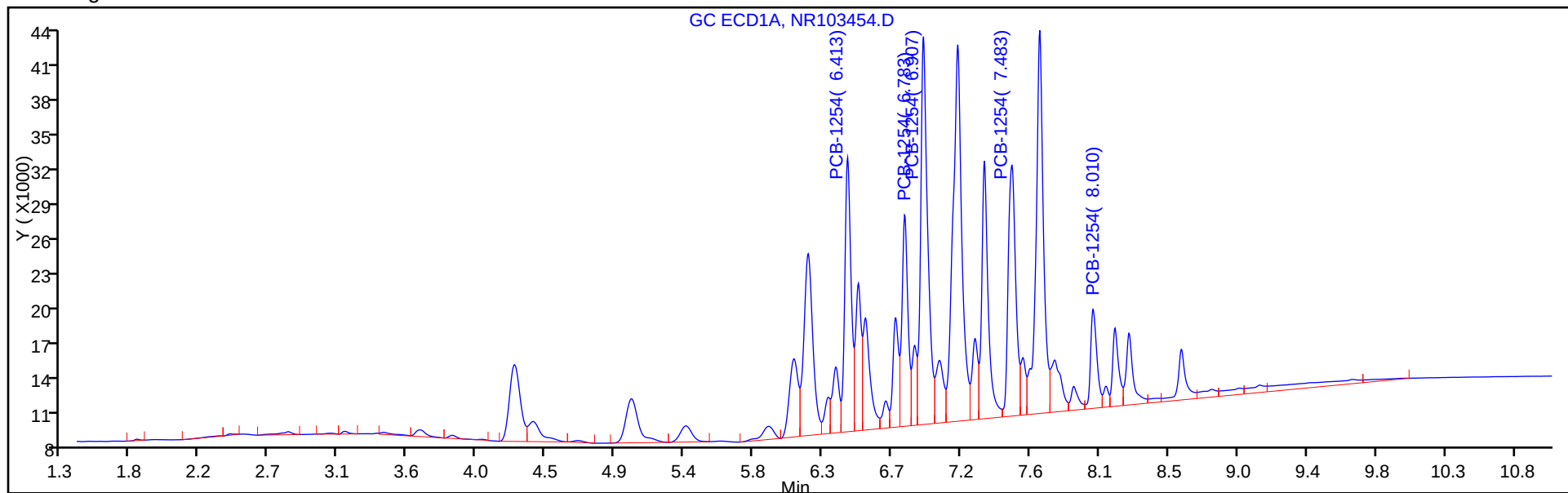
QC Flag Legend

Review Flags

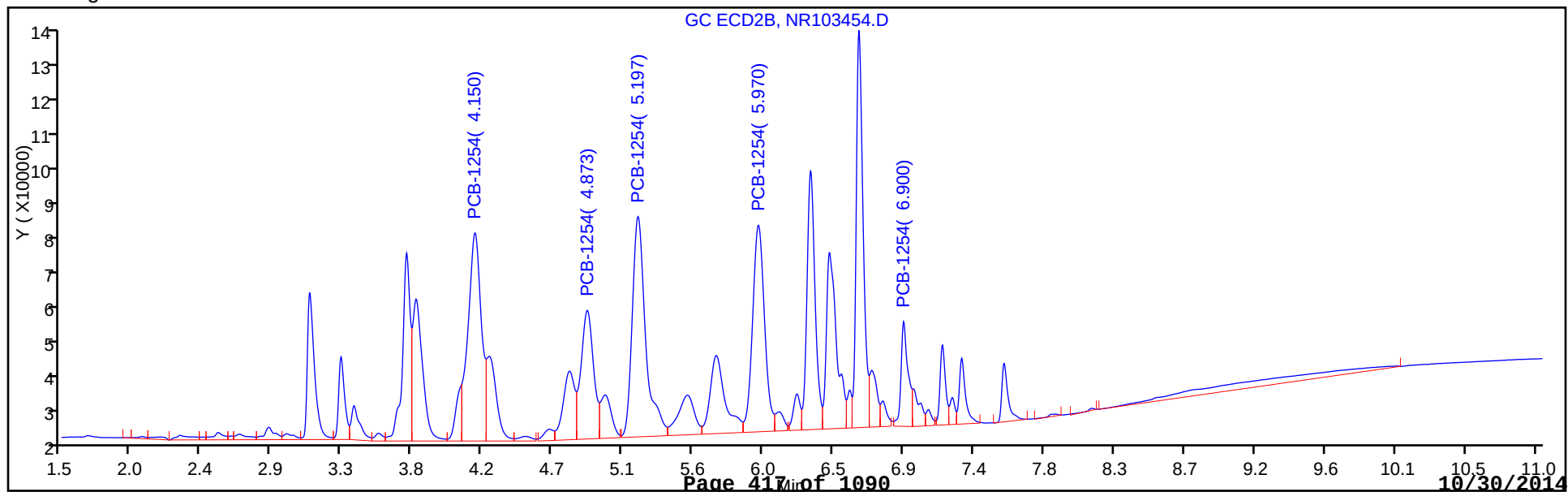
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103454.D
Injection Date: 29-Aug-2013 23:25:48 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 26
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



Y Scaling:



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103455.D
 Lims ID: IC 1254 L5 Client ID:
 Inject. Date: 29-Aug-2013 23:40:04 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 460-0004127-027
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 27
 Lims Batch ID: 178893 Lims Sample ID: 27
 Sublist: chrom-608GC6*sub30
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:58 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:54:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

39 PCB-1254 M

1 6.413 6.413 0.0 105709 2314.2 M

1 6.783 6.787 -0.004 78403 2350.2 M

1 6.907 6.907 0.0 169802 2360.1 M

1 7.483 7.483 0.0 120375 2368.7 M

1 8.010 8.010 0.0 39391 2435.1 M

Average of Peak Amounts = 2365.7

2 4.150 4.153 -0.003 517324 2294.4 M

2 4.870 4.873 -0.003 300221 2295.3 M

2 5.197 5.197 0.0 564259 2371.2 M

2 5.967 5.973 -0.006 485881 2539.7 M

2 6.900 6.900 0.0 143350 2473.4 M

Average of Peak Amounts = 2394.8

RPD = 1.22

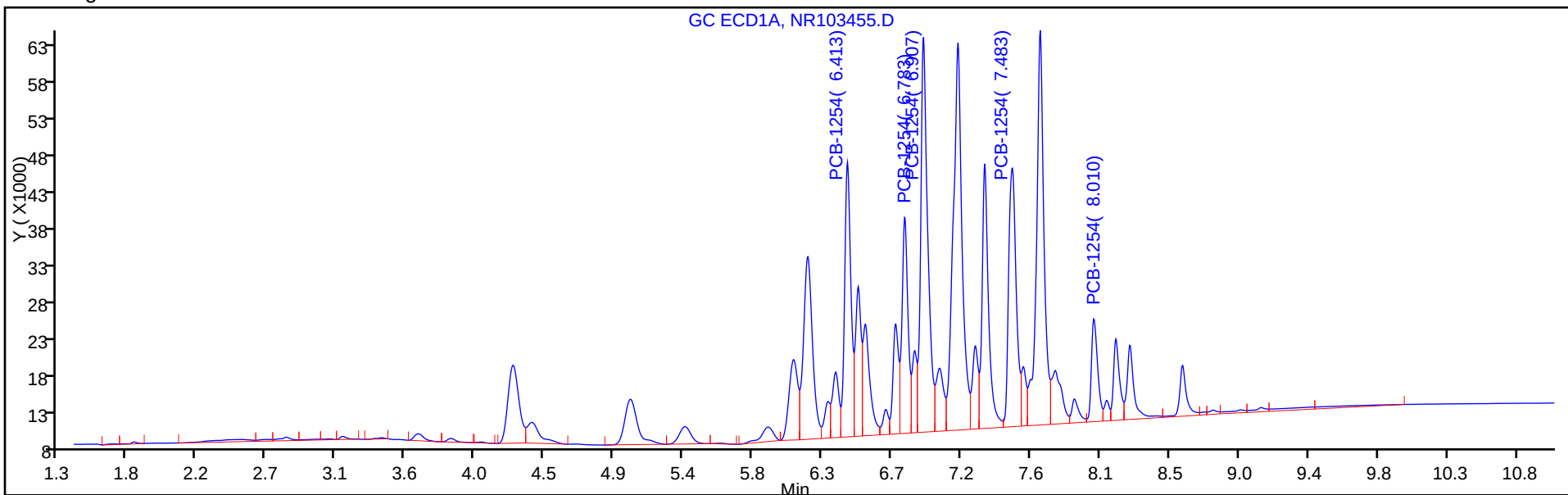
QC Flag Legend

Review Flags

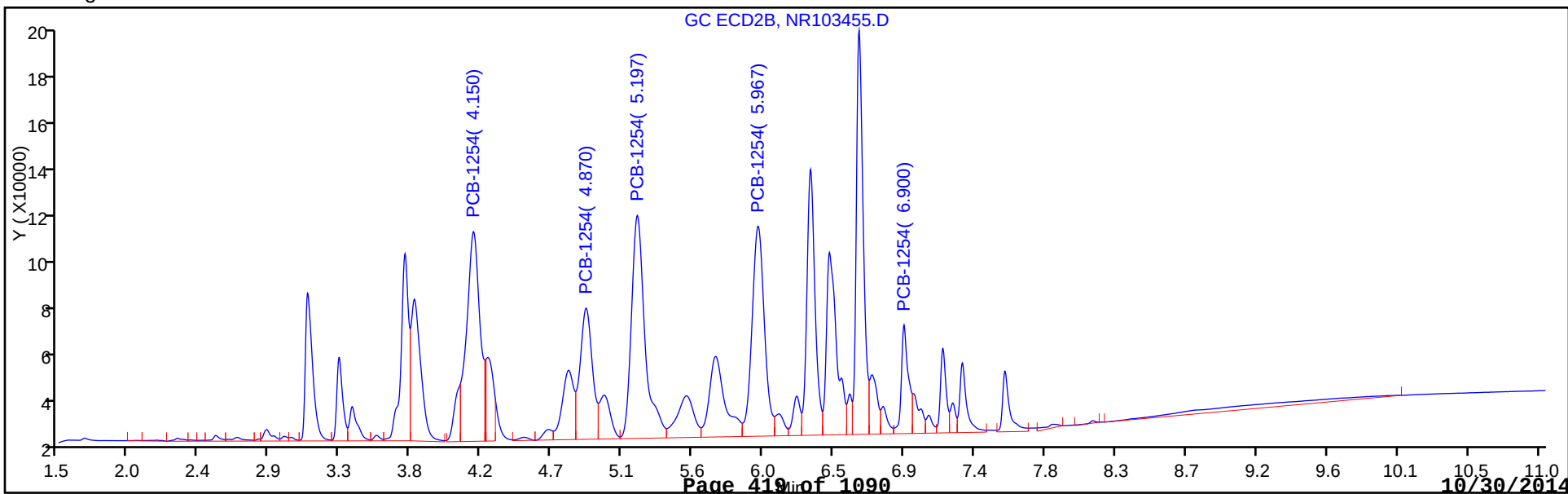
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103455.D
Injection Date: 29-Aug-2013 23:40:04 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 27
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

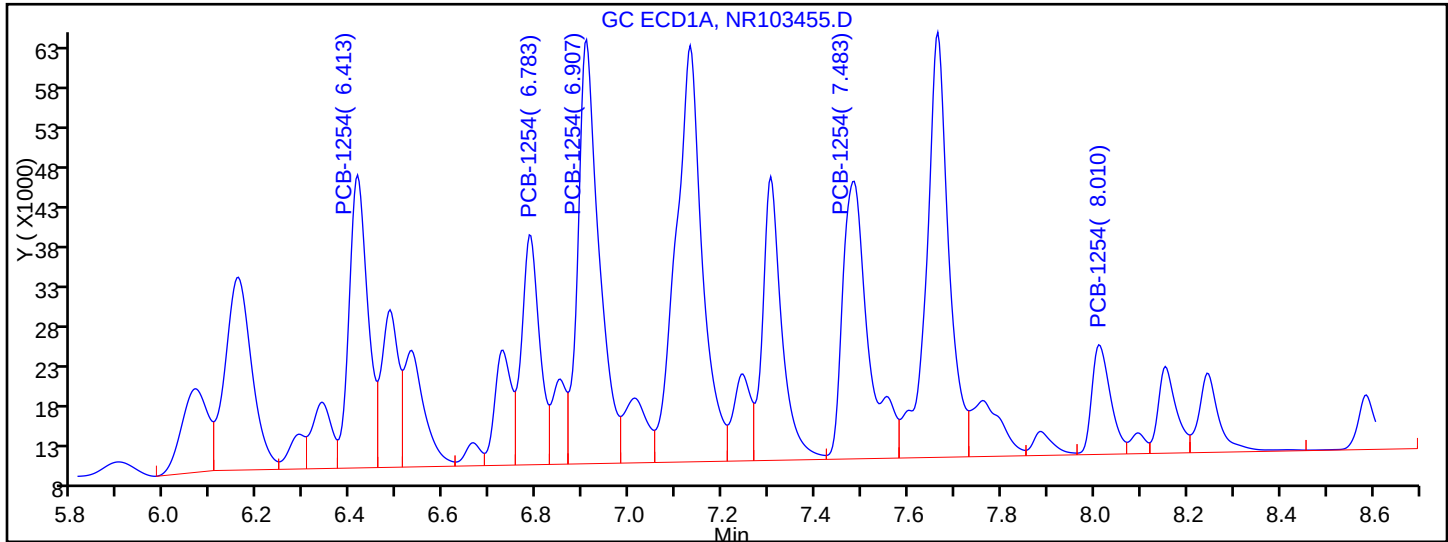


Y Scaling:



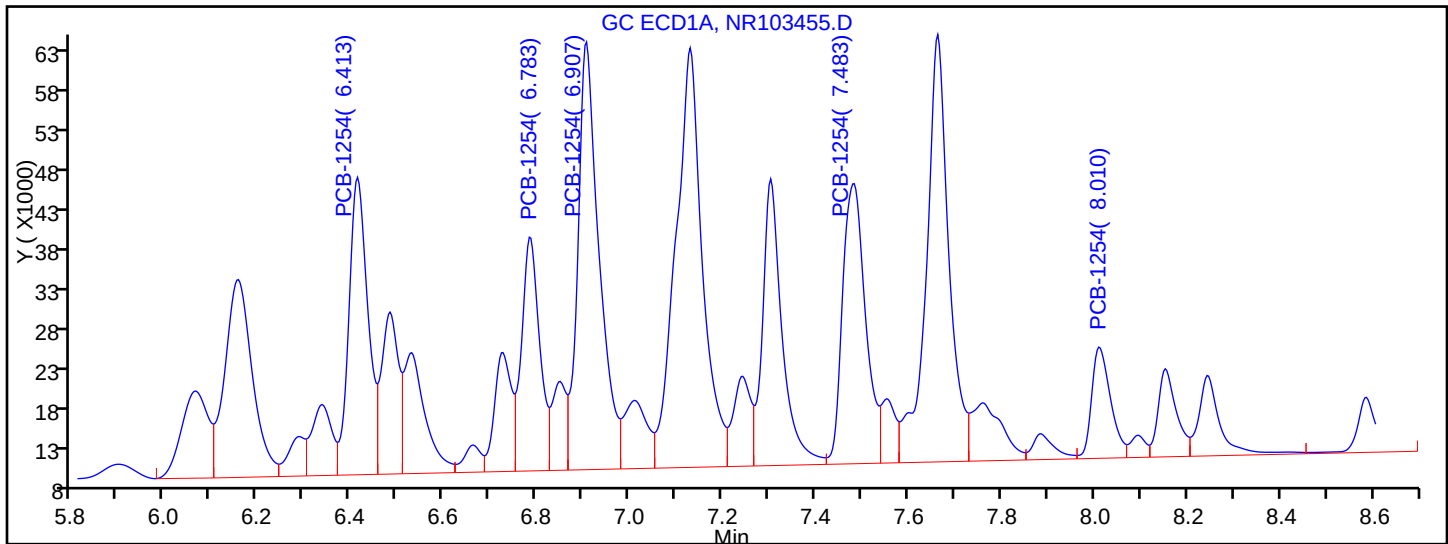
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103455.D
Injection Date: 29-Aug-2013 23:40:04 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 27
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
39 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.413	Response = 102797	M
RT = 6.783	Response = 76318	M
RT = 6.907	Response = 166787	M
RT = 7.483	Response = 134048	M
RT = 8.010	Response = 38140	M



Manual Integration Results

RT = 6.413	Response = 105709	M
RT = 6.783	Response = 78403	M
RT = 6.907	Response = 169802	M
RT = 7.483	Response = 120375	M
RT = 8.010	Response = 39391	M

Reviewer: foleysont, 04-Sep-2013 13:54:20

Audit Action: Assigned New Baseline

Audit Reason: Baseline

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 22:43 Calibration End Date: 08/29/2013 23:40 Calibration ID: 29076

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/23	NR103451.D
Level 2	IC 460-178893/24	NR103452.D
Level 3	IC 460-178893/25	NR103453.D
Level 4	IC 460-178893/26	NR103454.D
Level 5	IC 460-178893/27	NR103455.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1254 Peak 1	4.153	4.153	4.153	4.150	4.150						4.053 - 4.253	4.152
PCB-1254 Peak 2	4.873	4.870	4.873	4.873	4.870						4.773 - 4.973	4.872
PCB-1254 Peak 3	5.200	5.200	5.197	5.197	5.197						5.097 - 5.297	5.198
PCB-1254 Peak 4	5.973	5.970	5.973	5.970	5.967						5.873 - 6.073	5.971
PCB-1254 Peak 5	6.900	6.900	6.900	6.900	6.900						6.800 - 7.000	6.900

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 22:43 Calibration End Date: 08/29/2013 23:40 Calibration ID: 29076

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/23	NR103451.D
Level 2	IC 460-178893/24	NR103452.D
Level 3	IC 460-178893/25	NR103453.D
Level 4	IC 460-178893/26	NR103454.D
Level 5	IC 460-178893/27	NR103455.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 3	LVL 4		B	M1	M2								
PCB-1254 Peak 1	244.28 206.93	235.21	227.75	213.17	Ave		225.467853				6.8		10.0			
PCB-1254 Peak 2	141.98 120.09	130.33	137.42	124.18	Ave		130.800147				6.9		10.0			
PCB-1254 Peak 3	259.98 225.70	231.65	243.78	228.69	Ave		237.961120				5.9		10.0			
PCB-1254 Peak 4	182.90 194.35	190.82	197.59	190.90	Ave		191.311880				2.9		10.0			
PCB-1254 Peak 5	58.420 57.340	55.558	60.062	58.404	Ave		57.9568000				2.9		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 178893

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/29/2013 22:43 Calibration End Date: 08/29/2013 23:40 Calibration ID: 29076

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-178893/23	NR103451.D
Level 2	IC 460-178893/24	NR103452.D
Level 3	IC 460-178893/25	NR103453.D
Level 4	IC 460-178893/26	NR103454.D
Level 5	IC 460-178893/27	NR103455.D

ANALYTE	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
PCB-1254 Peak 1	Ave	12214	117606	227745	319759	517324	50.0	500	1000	1500	2500
PCB-1254 Peak 2	Ave	7099	65167	137417	186272	300221	50.0	500	1000	1500	2500
PCB-1254 Peak 3	Ave	12999	115826	243782	343032	564259	50.0	500	1000	1500	2500
PCB-1254 Peak 4	Ave	9145	95409	197589	286350	485881	50.0	500	1000	1500	2500
PCB-1254 Peak 5	Ave	2921	27779	60062	87606	143350	50.0	500	1000	1500	2500

Curve Type Legend:

Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103451.D
 Lims ID: IC 1254 L1 Client ID:
 Inject. Date: 29-Aug-2013 22:43:03 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 460-0004127-023
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 23
 Lims Batch ID: 178893 Lims Sample ID: 23
 Sublist: chrom-608GC6*sub30
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:53 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:51:05

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

39 PCB-1254 M

1 6.413 6.413 0.0 2273 49.8 M

1 6.783 6.787 -0.004 1781 53.4 M

1 6.907 6.907 0.0 3750 52.1 M

1 7.487 7.483 0.004 2827 55.6 M

1 8.013 8.010 0.003 878 54.3 M

Average of Peak Amounts = 53.0

2 4.153 4.153 0.0 12214 54.2 M

2 4.873 4.873 0.0 7099 54.3 M

2 5.200 5.197 0.003 12999 54.6

2 5.973 5.973 0.0 9145 47.8

2 6.900 6.900 0.0 2921 50.4 M

Average of Peak Amounts = 52.3

RPD = 1.48

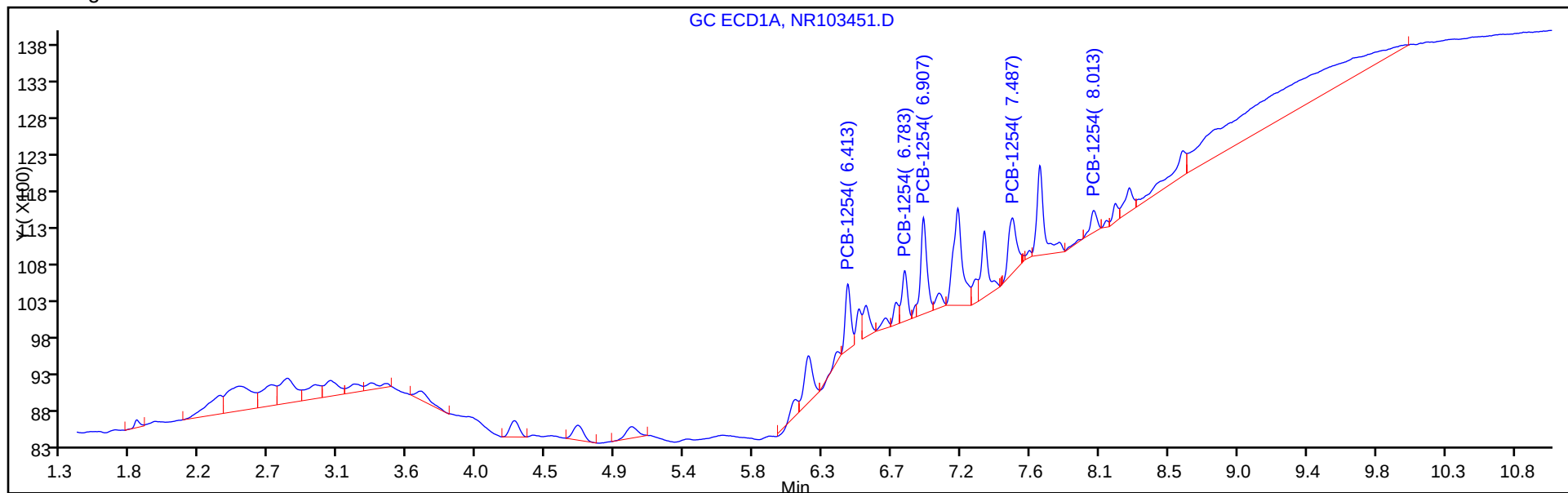
QC Flag Legend

Review Flags

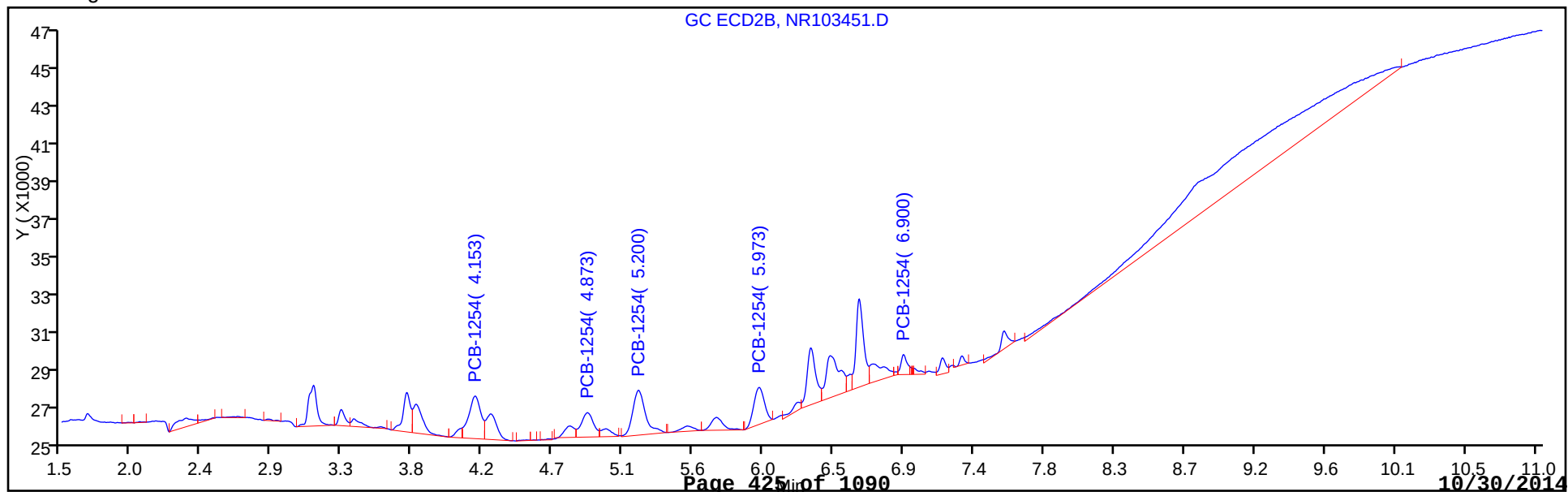
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103451.D
Injection Date: 29-Aug-2013 22:43:03 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 23
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



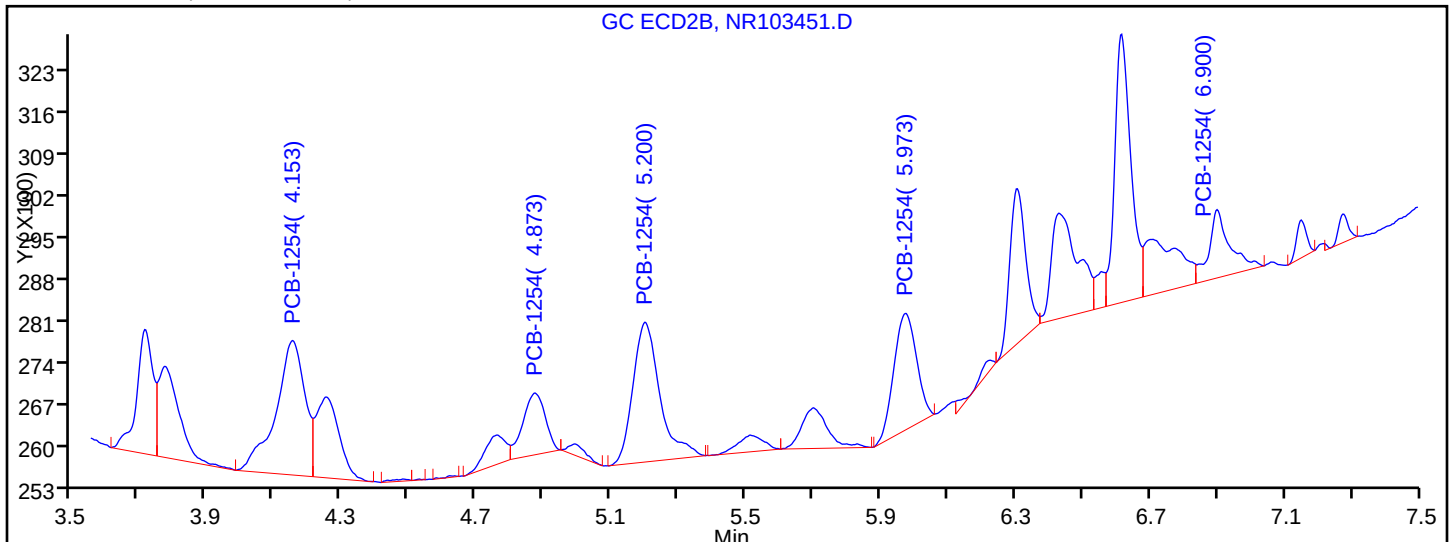
Y Scaling:



TestAmerica Edison

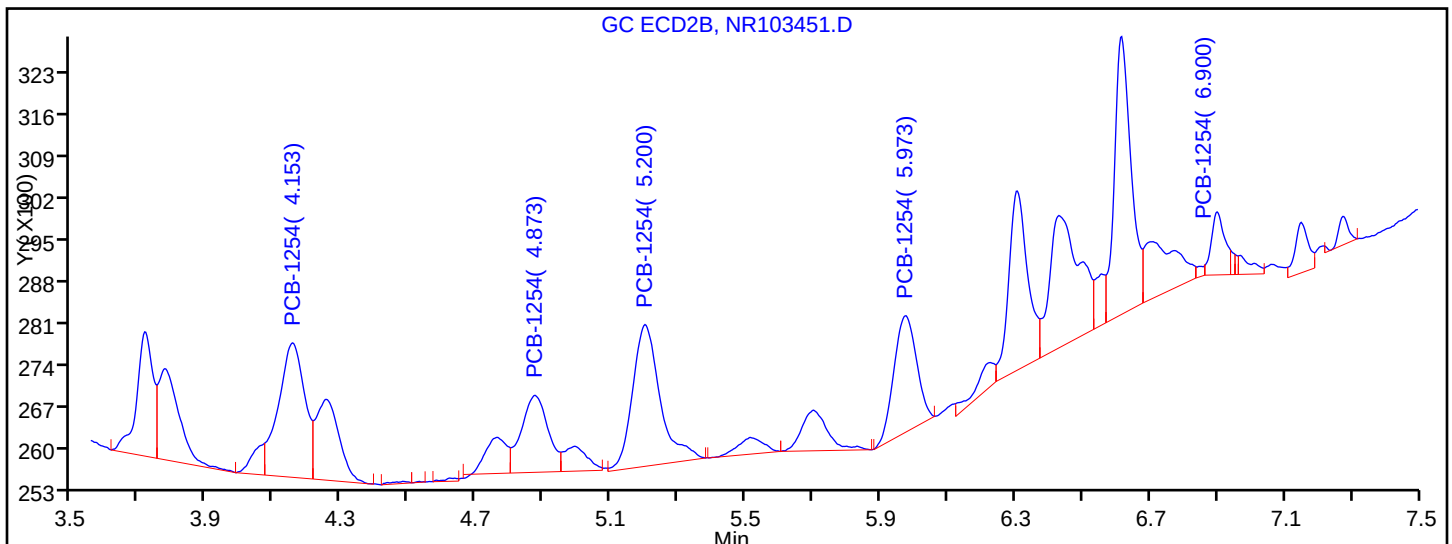
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Injection Date: 29-Aug-2013 22:43:03 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 23
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

39 PCB-1254, Detector: 2, GC ECD2B



Processing Integration Results

RT = 4.153	Response = 13533	M
RT = 4.873	Response = 4800	M
RT = 5.200	Response = 12999	
RT = 5.973	Response = 9145	
RT = 6.900	Response = 4980	M



Manual Integration Results

RT = 4.153	Response = 12214	M
RT = 4.873	Response = 7099	M
RT = 5.200	Response = 12999	
RT = 5.973	Response = 9145	
RT = 6.900	Response = 2921	M

Reviewer: foleysont, 04-Sep-2013 13:51:05

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103452.D
 Lims ID: IC 1254 L2 Client ID:
 Inject. Date: 29-Aug-2013 22:57:20 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 460-0004127-024
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 24
 Lims Batch ID: 178893 Lims Sample ID: 24
 Sublist: chrom-608GC6*sub30
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:55 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:49:18

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

39 PCB-1254 M

1 6.413 6.413 0.0 25267 553.2

1 6.783 6.787 -0.004 17566 526.6

1 6.907 6.907 0.0 37894 526.7

1 7.483 7.483 0.0 25994 511.5 M

1 8.013 8.010 0.003 8048 497.5

Average of Peak Amounts = 523.1

2 4.153 4.153 0.0 117606 521.6 M

2 4.870 4.873 -0.003 65167 498.2 M

2 5.200 5.197 0.003 115826 486.7

2 5.970 5.973 -0.003 95409 498.7 M

2 6.900 6.900 0.0 27779 479.3 M

Average of Peak Amounts = 496.9

RPD = 5.13

QC Flag Legend

Review Flags

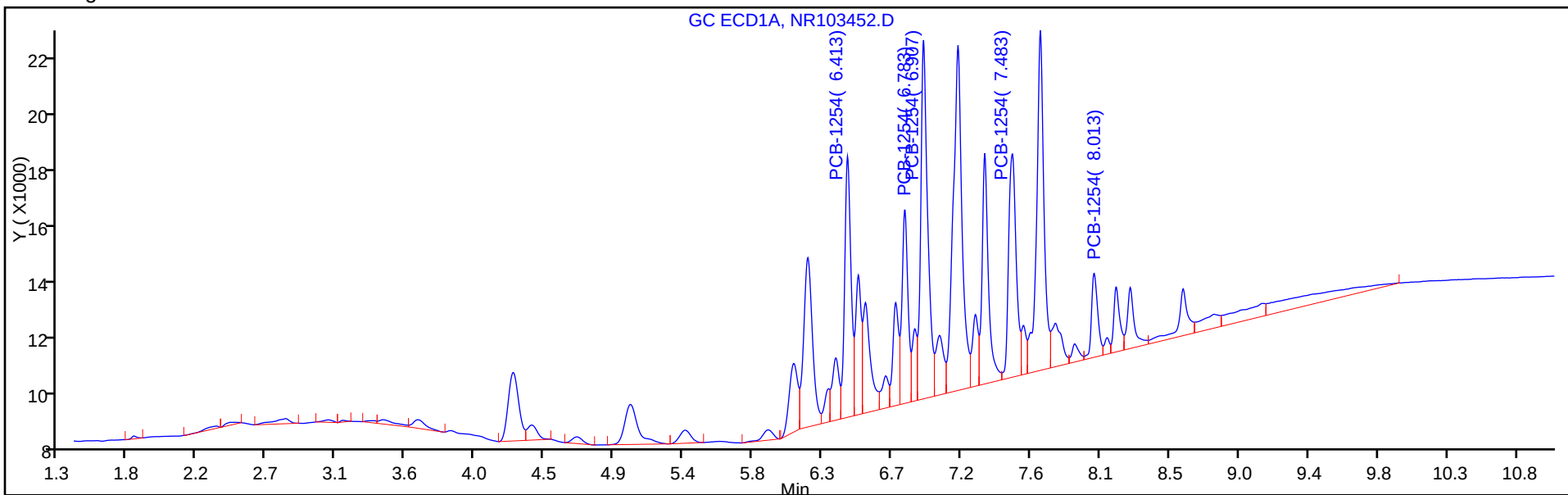
M - Manually Integrated

Report Date: 06-Sep-2013 15:27:55

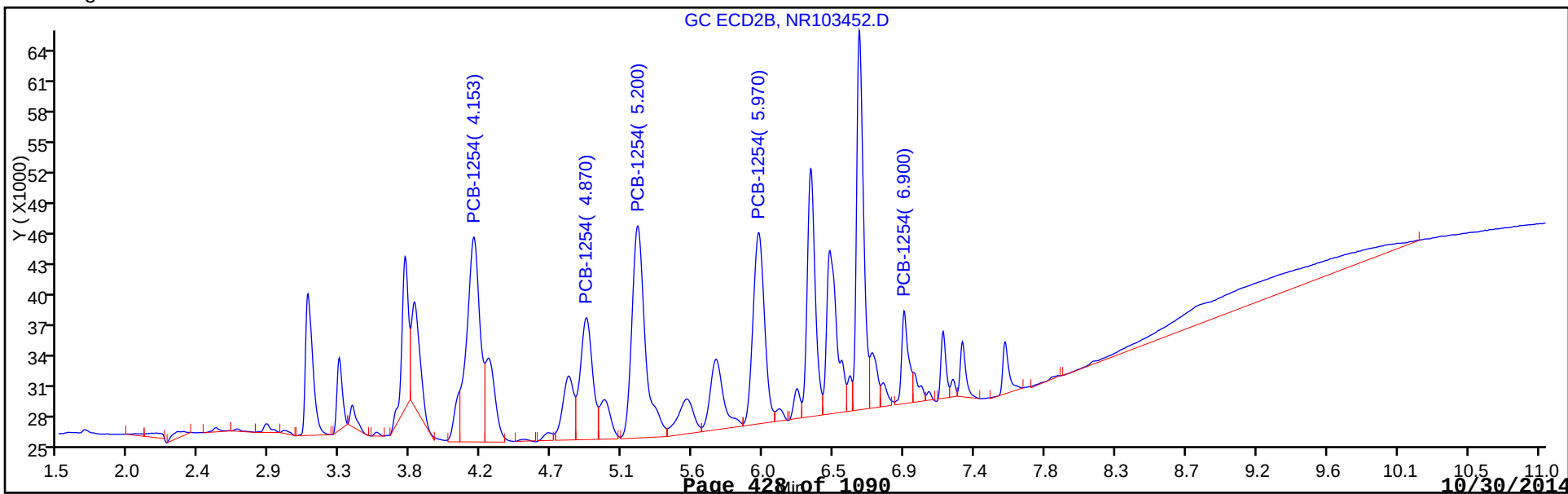
Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103452.D
Injection Date: 29-Aug-2013 22:57:20 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 24
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

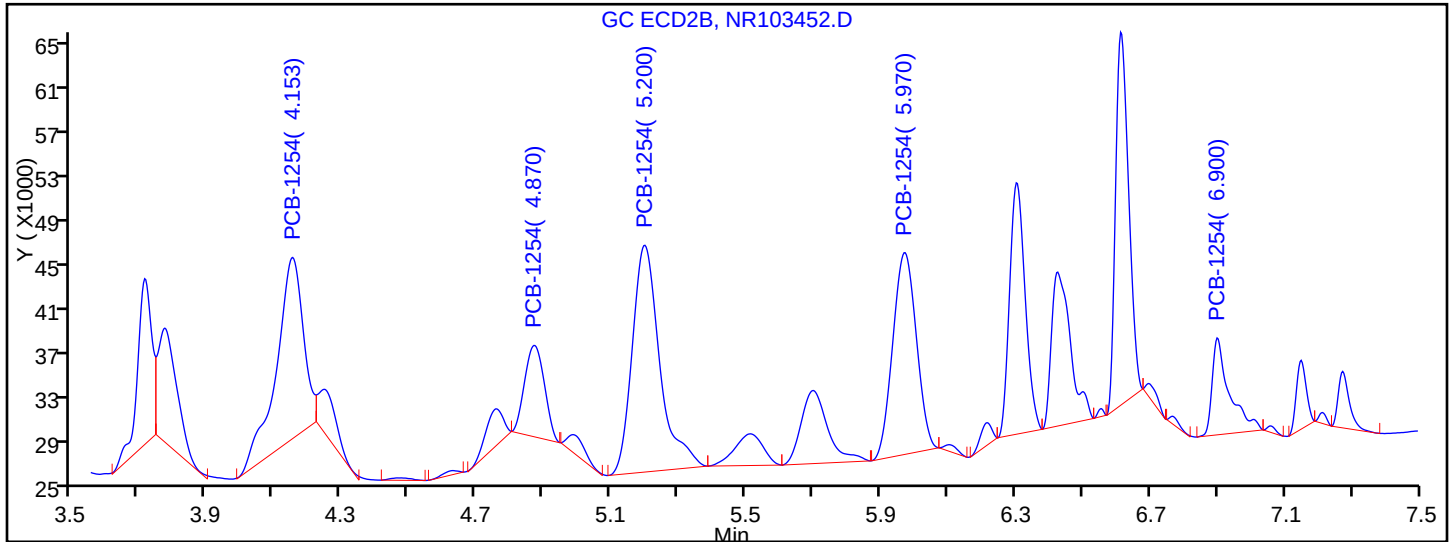


Y Scaling:



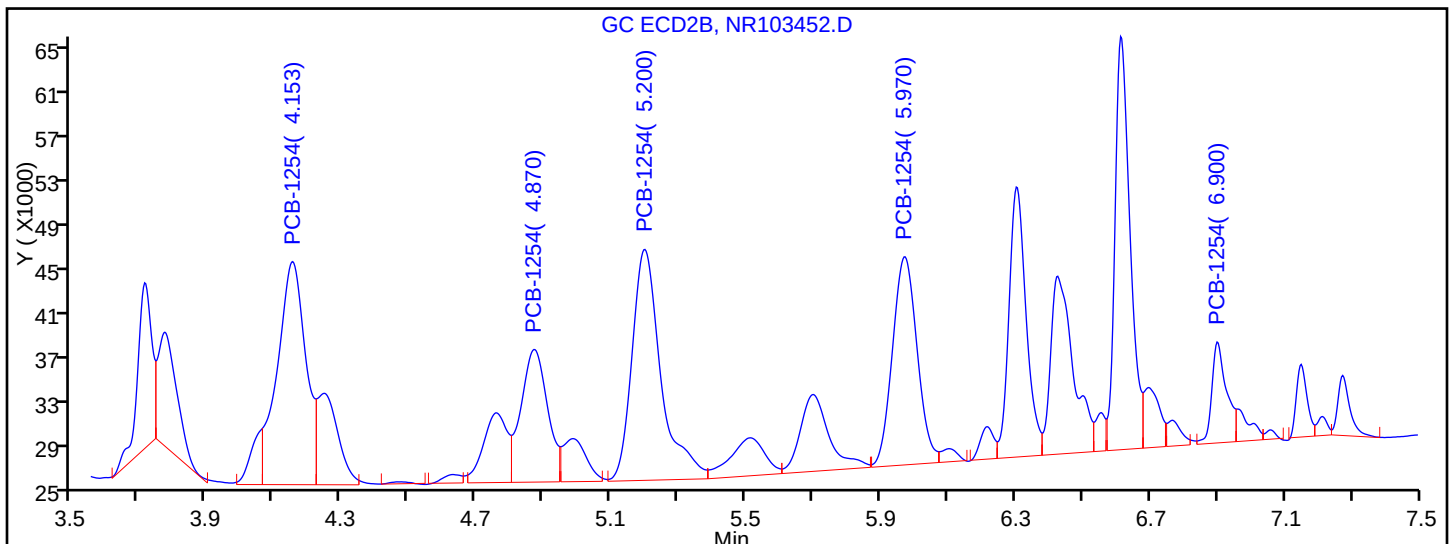
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103452.D
Injection Date: 29-Aug-2013 22:57:20 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 24
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
39 PCB-1254, Detector: 2, GC ECD2B



Processing Integration Results

RT = 4.153	Response = 90513	M
RT = 4.870	Response = 33515	M
RT = 5.200	Response = 115826	
RT = 5.970	Response = 88317	M
RT = 6.900	Response = 31179	M



Manual Integration Results

RT = 4.153	Response = 117606	M
RT = 4.870	Response = 65167	M
RT = 5.200	Response = 115826	
RT = 5.970	Response = 95409	M
RT = 6.900	Response = 27779	M

Reviewer: foleysont, 04-Sep-2013 13:49:18

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103453.D
 Lims ID: IC 1254 L3 Client ID:
 Inject. Date: 29-Aug-2013 23:11:32 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 460-0004127-025
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 25
 Lims Batch ID: 178893 Lims Sample ID: 25
 Sublist: chrom-608GC6*sub30
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:56 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:48:04

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

39	PCB-1254					M
1	6.413	6.413	0.0	45965	1006.3	a
1	6.787	6.787	0.0	32689	979.9	a
1	6.907	6.907	0.0	71442	993.0	a
1	7.483	7.483	0.0	49243	969.0	M
1	8.010	8.010	0.0	15401	952.1	a

Average of Peak Amounts = 980.0

2	4.153	4.153	0.0	227745	1010.1	M
2	4.873	4.873	0.0	137417	1050.6	M
2	5.197	5.197	0.0	243782	1024.5	M
2	5.973	5.973	0.0	197589	1032.8	M
2	6.900	6.900	0.0	60062	1036.3	M

Average of Peak Amounts = 1030.9

RPD = 5.05

QC Flag Legend

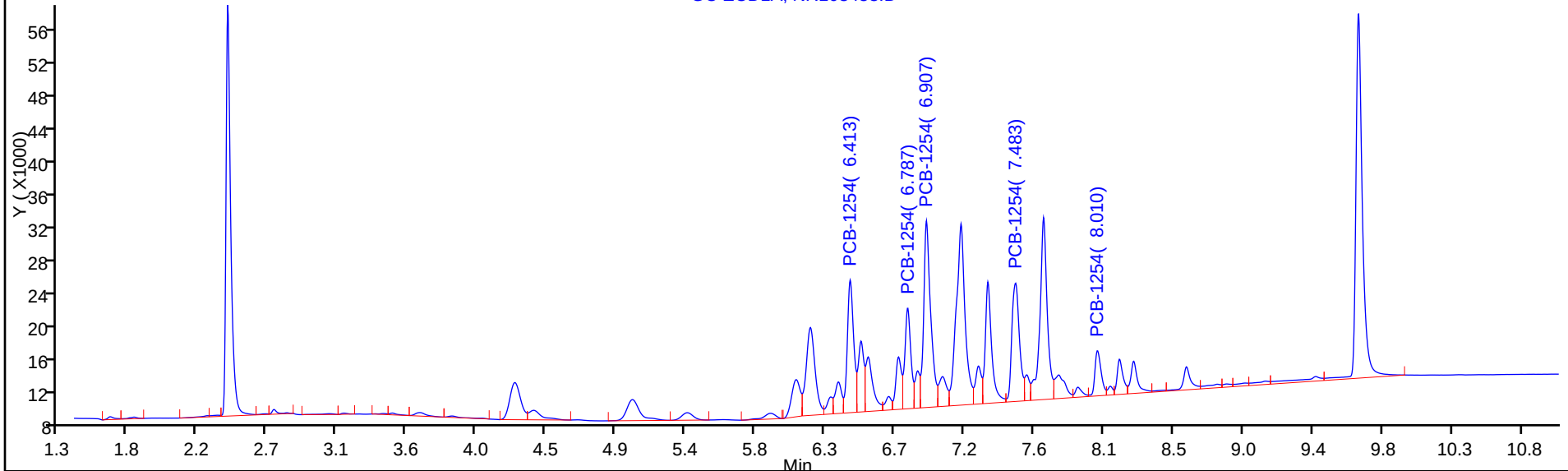
Review Flags

M - Manually Integrated

TestAmerica Edison

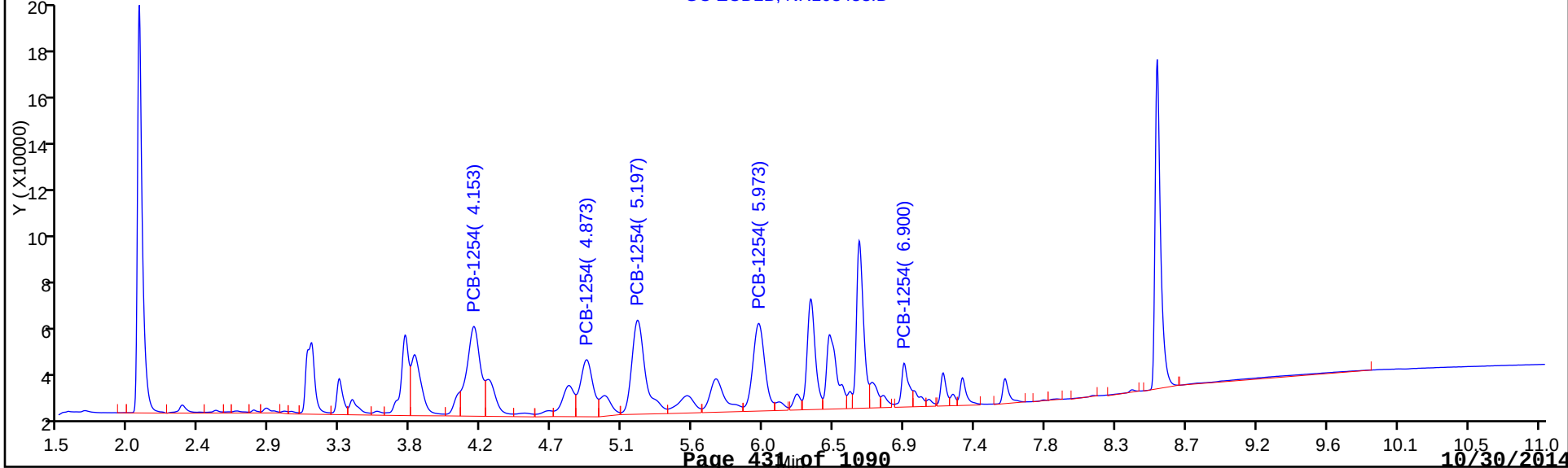
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Injection Date: 29-Aug-2013 23:11:32 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 25
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

GC ECD1A, NR103453.D



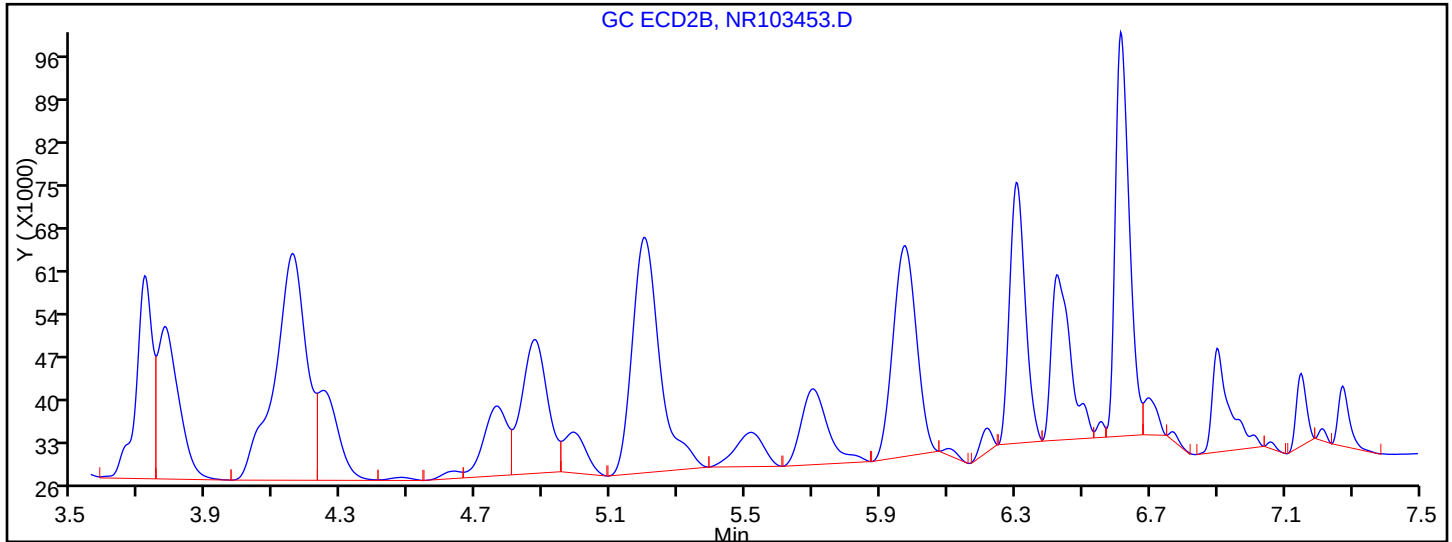
Y Scaling:

GC ECD2B, NR103453.D



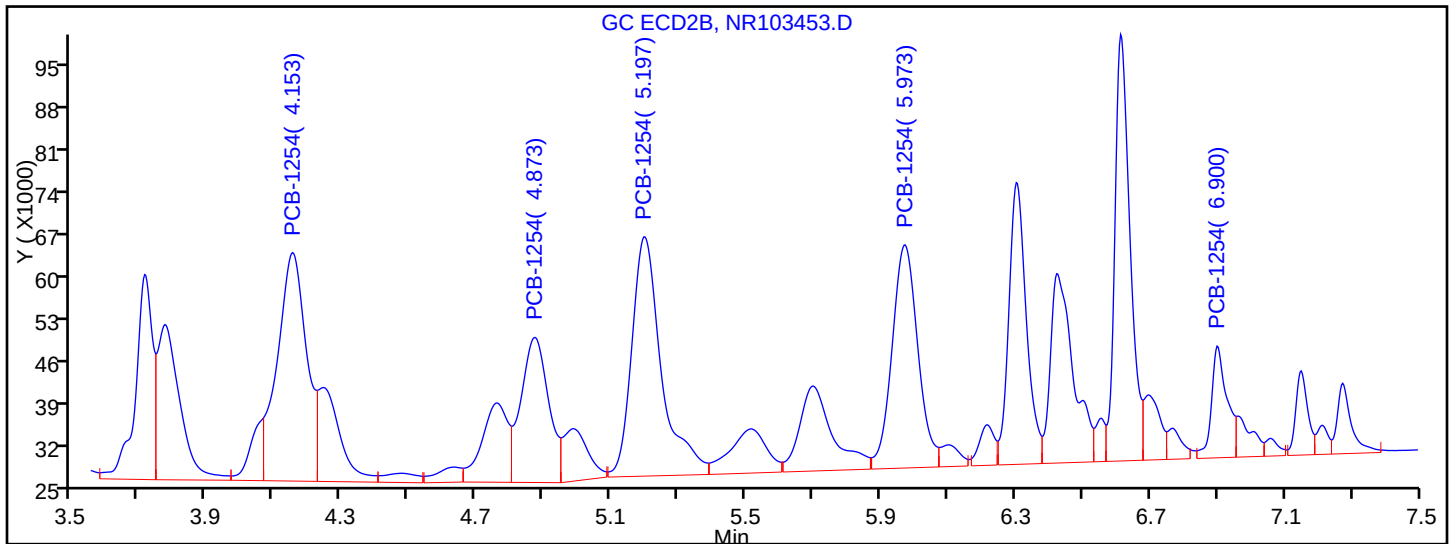
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103453.D
Injection Date: 29-Aug-2013 23:11:32 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 25
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
39 PCB-1254, Detector: 2, GC ECD2B



Processing Integration Results

RT = 4.243	Response = 60767	M
RT = 4.987	Response = 30387	M
RT = 0.000	Response = 0	M
RT = 6.103	Response = 3099	M
RT = 6.557	Response = 4137	M



Manual Integration Results

RT = 4.153	Response = 227745	M
RT = 4.873	Response = 137417	M
RT = 5.197	Response = 243782	M
RT = 5.973	Response = 197589	M
RT = 6.900	Response = 60062	M

Reviewer: foleysont, 04-Sep-2013 13:48:04

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103454.D
 Lims ID: IC 1254 L4 Client ID:
 Inject. Date: 29-Aug-2013 23:25:48 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 460-0004127-026
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 26
 Lims Batch ID: 178893 Lims Sample ID: 26
 Sublist: chrom-608GC6*sub30
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:58 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:53:25

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

39 PCB-1254 M

1	6.413	6.413	0.0	66219	1449.7	
1	6.783	6.787	-0.004	47999	1438.8	
1	6.907	6.907	0.0	104366	1450.6	
1	7.483	7.483	0.0	72262	1421.9	
1	8.010	8.010	0.0	24102	1490.0	

Average of Peak Amounts = 1450.2

2	4.150	4.153	-0.003	319759	1418.2	M
2	4.873	4.873	0.0	186272	1424.1	M
2	5.197	5.197	0.0	343032	1441.5	M
2	5.970	5.973	-0.003	286350	1496.8	M
2	6.900	6.900	0.0	87606	1511.6	M

Average of Peak Amounts = 1458.4

RPD = 0.57

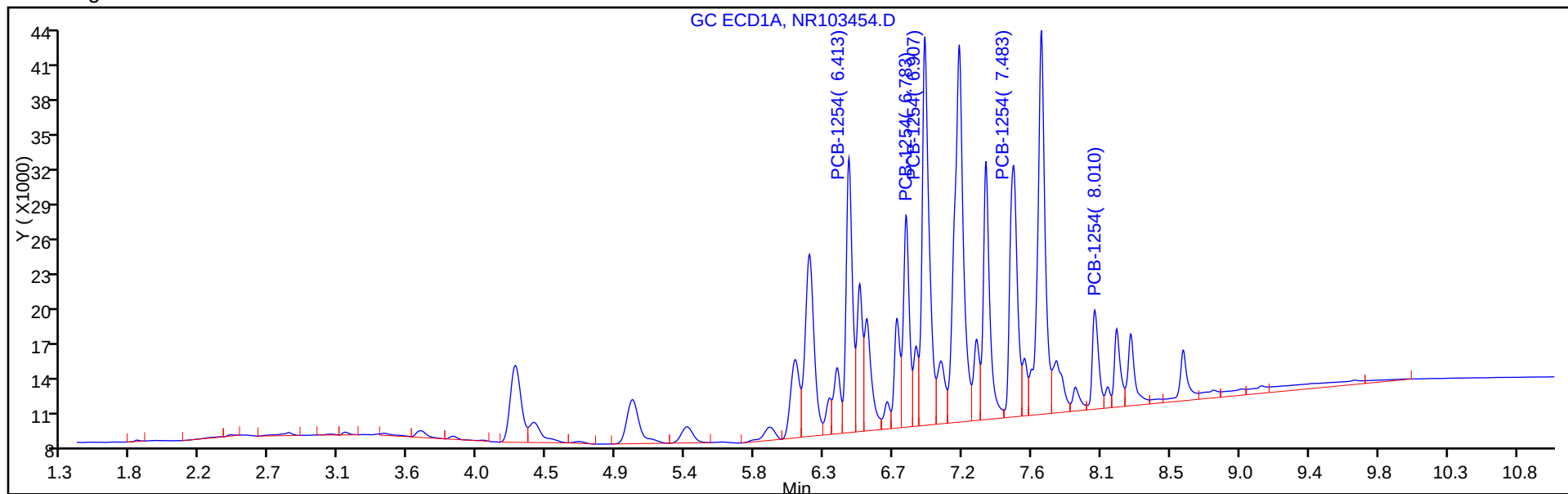
QC Flag Legend

Review Flags

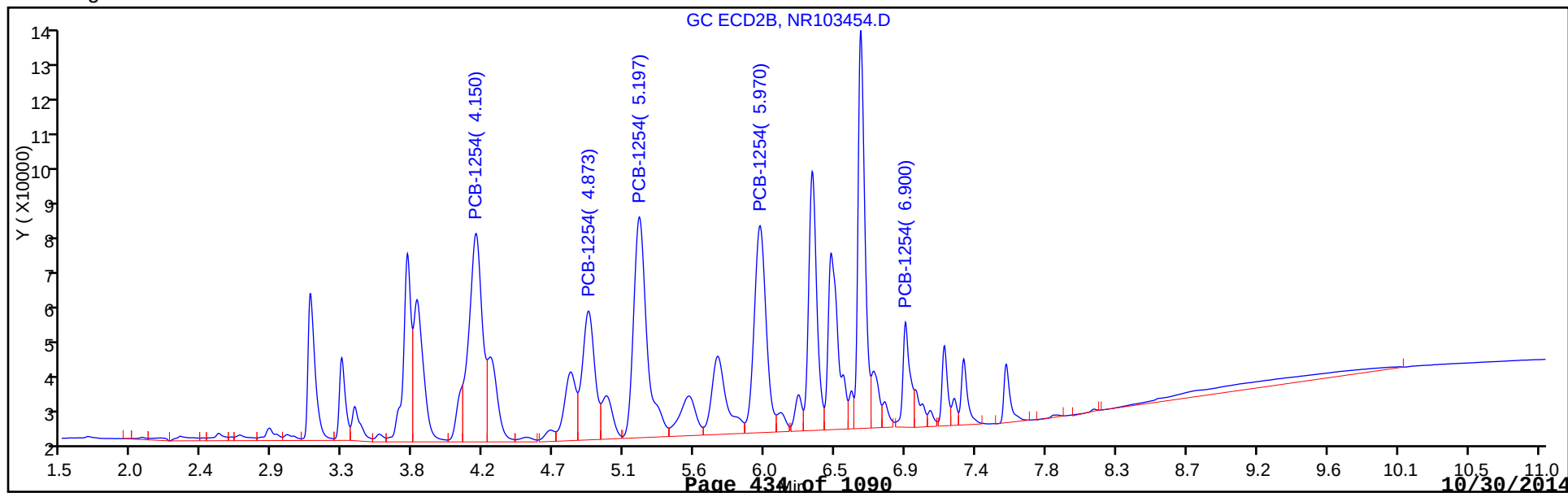
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103454.D
Injection Date: 29-Aug-2013 23:25:48 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 26
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



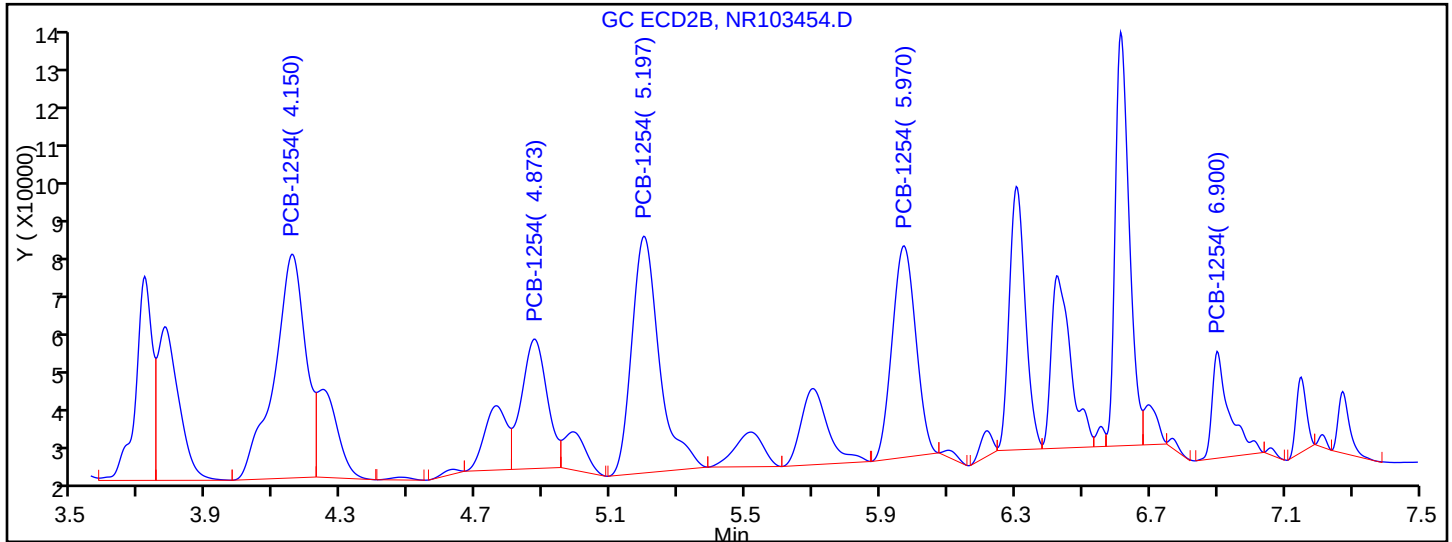
Y Scaling:



TestAmerica Edison

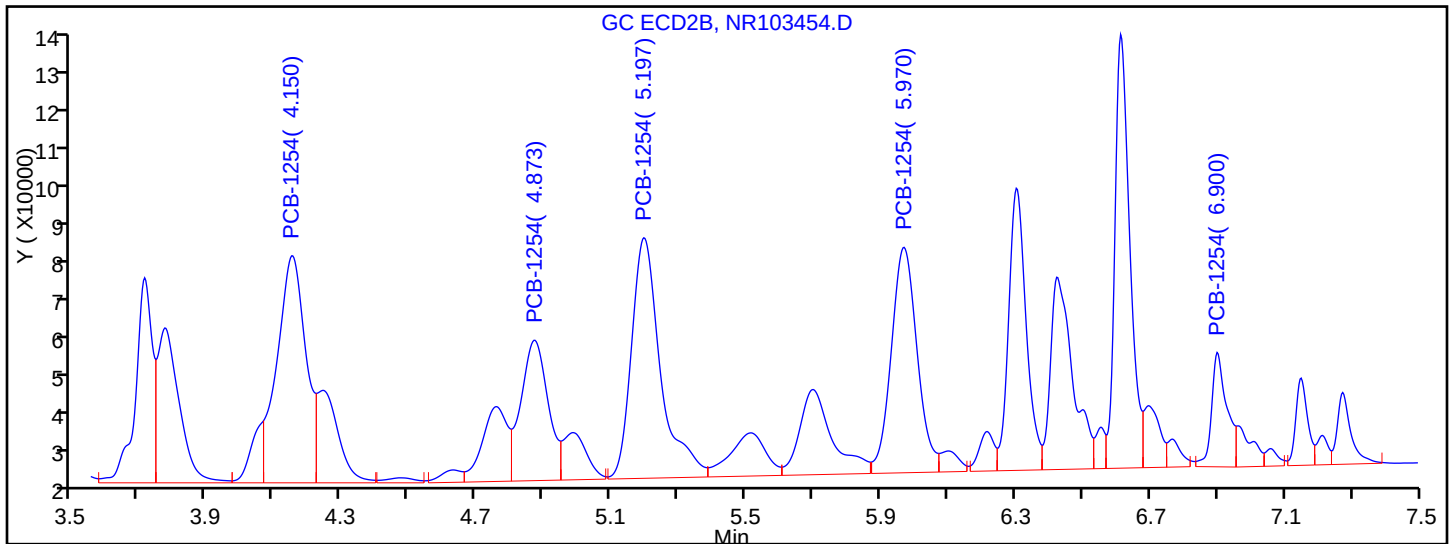
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Injection Date: 29-Aug-2013 23:25:48 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 26
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

39 PCB-1254, Detector: 2, GC ECD2B



Processing Integration Results

RT = 4.150	Response = 343764	M
RT = 4.873	Response = 162323	M
RT = 5.197	Response = 319019	M
RT = 5.970	Response = 244014	M
RT = 6.900	Response = 90768	M



Manual Integration Results

RT = 4.150	Response = 319759	M
RT = 4.873	Response = 186272	M
RT = 5.197	Response = 343032	M
RT = 5.970	Response = 286350	M
RT = 6.900	Response = 87606	M

Reviewer: foleysont, 04-Sep-2013 13:53:25

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103455.D
 Lims ID: IC 1254 L5 Client ID:
 Inject. Date: 29-Aug-2013 23:40:04 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 460-0004127-027
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 27
 Lims Batch ID: 178893 Lims Sample ID: 27
 Sublist: chrom-608GC6*sub30
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\608GC6.m
 Last Update: 06-Sep-2013 15:27:58 Calib Date: 30-Aug-2013 02:00:37
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103465.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

04-Sep-2013 13:54:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

39 PCB-1254						M
1	6.413	6.413	0.0	105709	2314.2	M
1	6.783	6.787	-0.004	78403	2350.2	M
1	6.907	6.907	0.0	169802	2360.1	M
1	7.483	7.483	0.0	120375	2368.7	M
1	8.010	8.010	0.0	39391	2435.1	M

Average of Peak Amounts = 2365.7

2	4.150	4.153	-0.003	517324	2294.4	M
2	4.870	4.873	-0.003	300221	2295.3	M
2	5.197	5.197	0.0	564259	2371.2	M
2	5.967	5.973	-0.006	485881	2539.7	M
2	6.900	6.900	0.0	143350	2473.4	M

Average of Peak Amounts = 2394.8

RPD = 1.22

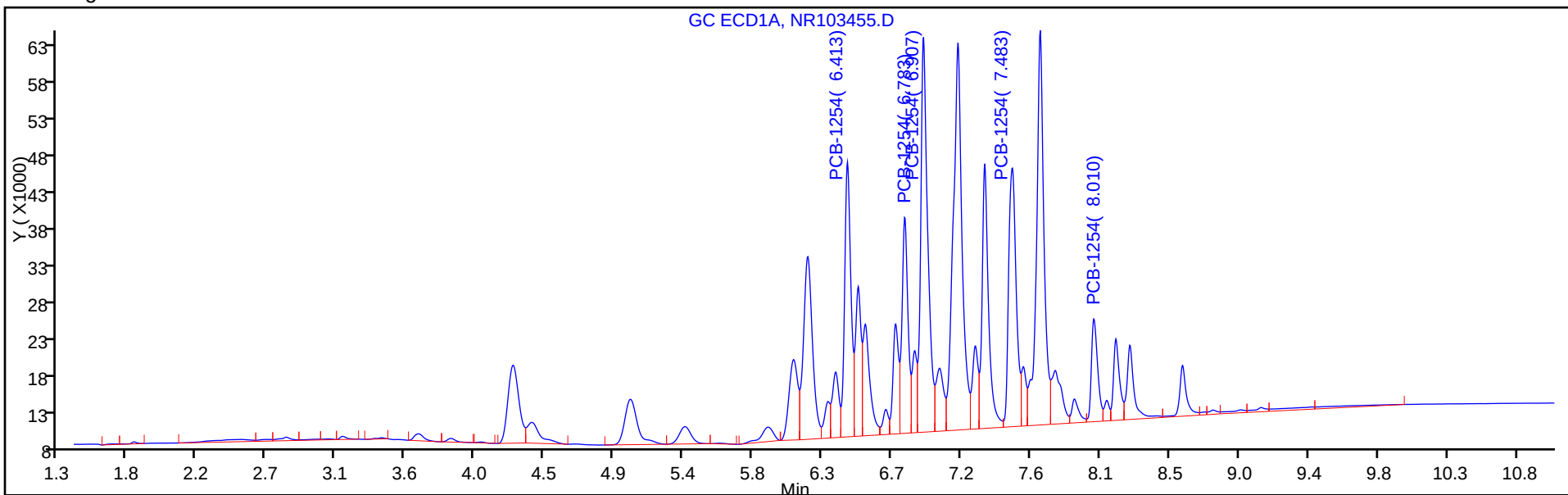
QC Flag Legend

Review Flags

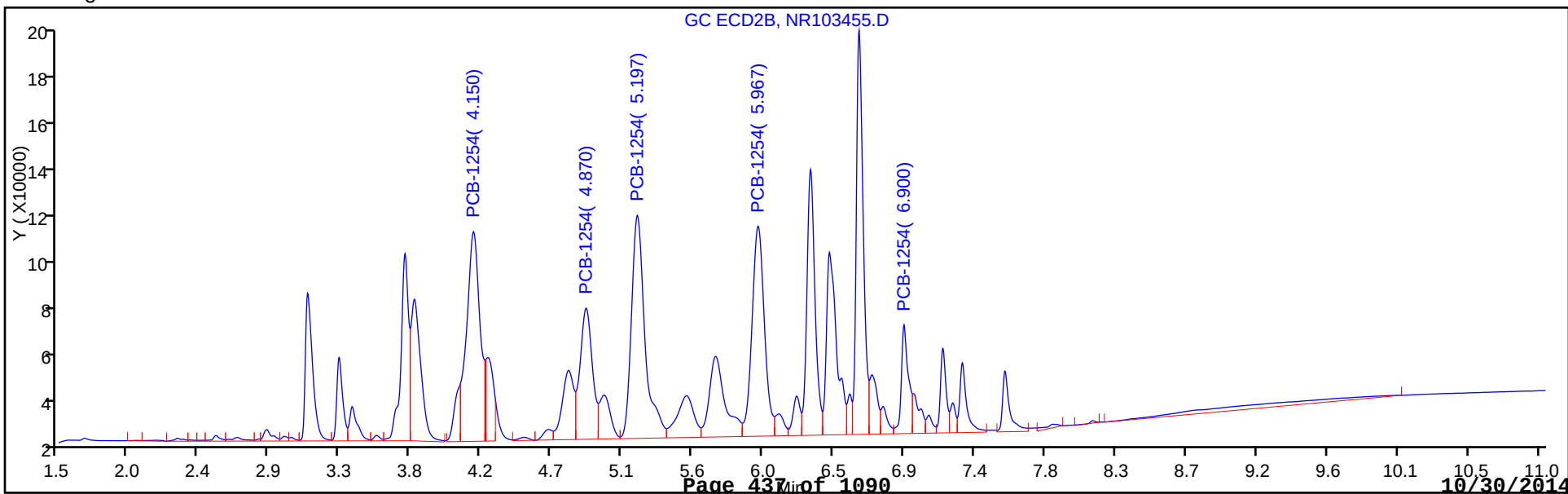
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103455.D
Injection Date: 29-Aug-2013 23:40:04 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 27
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

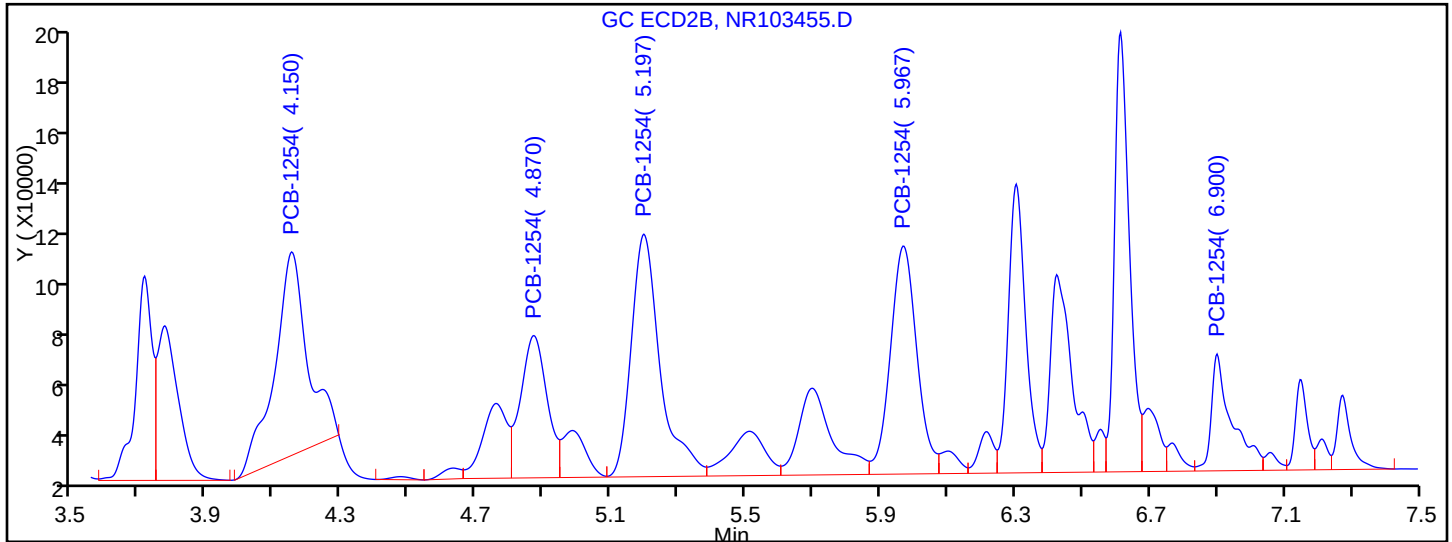


Y Scaling:



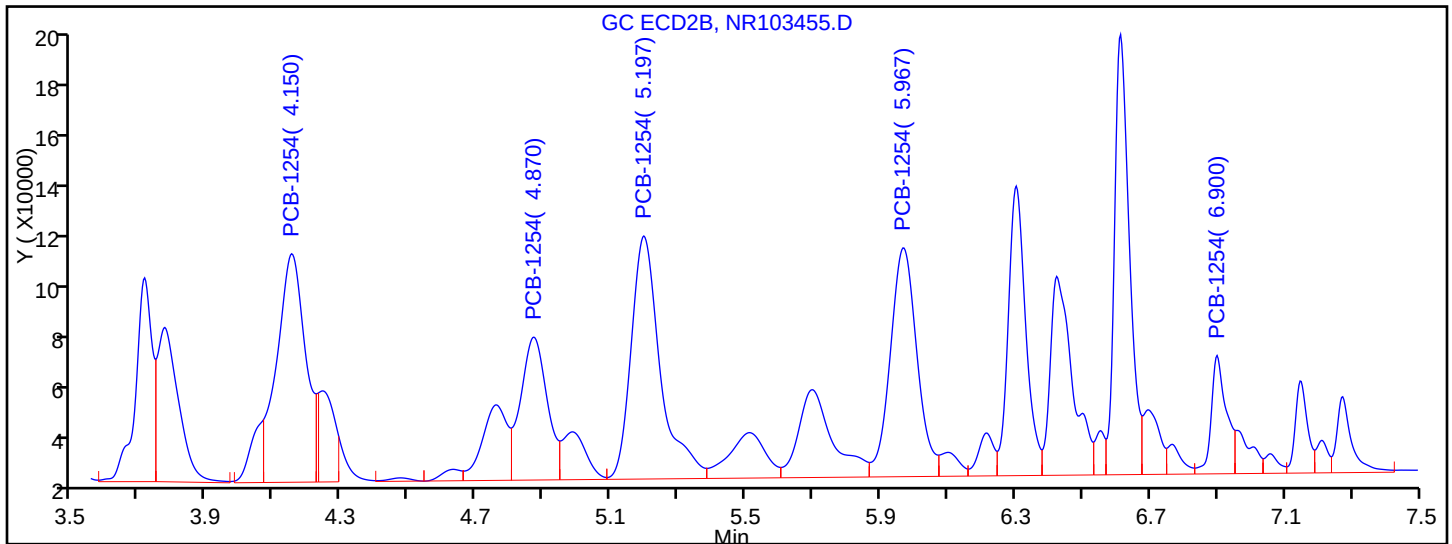
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130829-4127.b\NR103455.D
Injection Date: 29-Aug-2013 23:40:04 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 178893 Lims Sample ID: 27
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
39 PCB-1254, Detector: 2, GC ECD2B



Processing Integration Results

RT = 4.150	Response = 532327	M
RT = 4.870	Response = 296992	M
RT = 5.197	Response = 556640	M
RT = 5.967	Response = 479247	M
RT = 6.900	Response = 191126	M



Manual Integration Results

RT = 4.150	Response = 517324	M
RT = 4.870	Response = 300221	M
RT = 5.197	Response = 564259	M
RT = 5.967	Response = 485881	M
RT = 6.900	Response = 143350	M

Reviewer: foleysont, 04-Sep-2013 13:54:20

Audit Action: Assigned New Baseline

Audit Reason: Baseline

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 16:21 Calibration End Date: 09/05/2013 17:15 Calibration ID: 29079

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/10	NR103548.D
Level 2	IC 460-179853/11	NR103549.D
Level 3	IC 460-179853/12	NR103550.D
Level 4	IC 460-179853/13	NR103551.D
Level 5	IC 460-179853/14	NR103552.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1262 Peak 1	7.303	7.300	7.297	7.297	7.297						7.197 - 7.397	7.299
PCB-1262 Peak 2	7.743	7.740	7.737	7.737	7.737						7.637 - 7.837	7.739
PCB-1262 Peak 3	8.240	8.233	8.233	8.233	8.233						8.133 - 8.333	8.234
PCB-1262 Peak 4	8.563	8.560	8.557	8.557	8.557						8.457 - 8.657	8.559
PCB-1262 Peak 5	9.087	9.083	9.083	9.083	9.080						8.983 - 9.183	9.083

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 16:21 Calibration End Date: 09/05/2013 17:15 Calibration ID: 29079

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/10	NR103548.D
Level 2	IC 460-179853/11	NR103549.D
Level 3	IC 460-179853/12	NR103550.D
Level 4	IC 460-179853/13	NR103551.D
Level 5	IC 460-179853/14	NR103552.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 3	LVL 4		B	M1	M2								
PCB-1262 Peak 1	45.120 40.070	48.492	44.547	41.547	Ave		43.9551867				7.5		10.0			
PCB-1262 Peak 2	61.700 46.315	59.988	52.571	50.201	Lin	4989.05387	45.3680596							0.9950		0.9900
PCB-1262 Peak 3	117.82 97.013	113.35	103.89	100.47	Ave		106.508027				8.2		10.0			
PCB-1262 Peak 4	81.480 58.363	78.922	65.041	59.935	Lin	6353.56375	56.3276002							0.9950		0.9900
PCB-1262 Peak 5	42.820 40.058	42.700	42.194	42.423	Ave		42.0390667				2.7		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 16:21 Calibration End Date: 09/05/2013 17:15 Calibration ID: 29079

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/10	NR103548.D
Level 2	IC 460-179853/11	NR103549.D
Level 3	IC 460-179853/12	NR103550.D
Level 4	IC 460-179853/13	NR103551.D
Level 5	IC 460-179853/14	NR103552.D

ANALYTE	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
PCB-1262 Peak 1	Ave	2256	24246	44547	62321	100174	50.0	500	1000	1500	2500
PCB-1262 Peak 2	Lin	3085	29994	52571	75301	115787	50.0	500	1000	1500	2500
PCB-1262 Peak 3	Ave	5891	56674	103888	150707	242532	50.0	500	1000	1500	2500
PCB-1262 Peak 4	Lin	4074	39461	65041	89903	145907	50.0	500	1000	1500	2500
PCB-1262 Peak 5	Ave	2141	21350	42194	63635	100145	50.0	500	1000	1500	2500

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103548.D
 Lims ID: IC 1262 L1 Client ID:
 Inject. Date: 05-Sep-2013 16:21:25 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 460-0004323-010
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 16
 Lims Batch ID: 179853 Lims Sample ID: 10
 Sublist: chrom-608GC6*sub31
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:30 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:37:25

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

36 PCB-1262 M

1	7.303	7.297	0.006	2256	51.3	
1	7.743	7.737	0.006	3085	-42.0	M
1	8.240	8.233	0.007	5891	55.3	
1	8.563	8.557	0.006	4074	-40.5	M
1	9.087	9.083	0.004	2141	50.9	

Average of Peak Amounts = 15.0

2	6.297	6.293	0.004	8246	54.1	M
2	6.717	6.717	0.0	12803	14.3	M
2	7.563	7.563	0.0	10339	56.4	M
2	7.607	7.607	0.0	11351	53.2	M
2	8.097	8.093	0.004	7634	48.6	

Average of Peak Amounts = 45.3

RPD = 100.43

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2013 15:29:30

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103548.D

Injection Date: 05-Sep-2013 16:21:25

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 179853

Lims Sample ID: 10

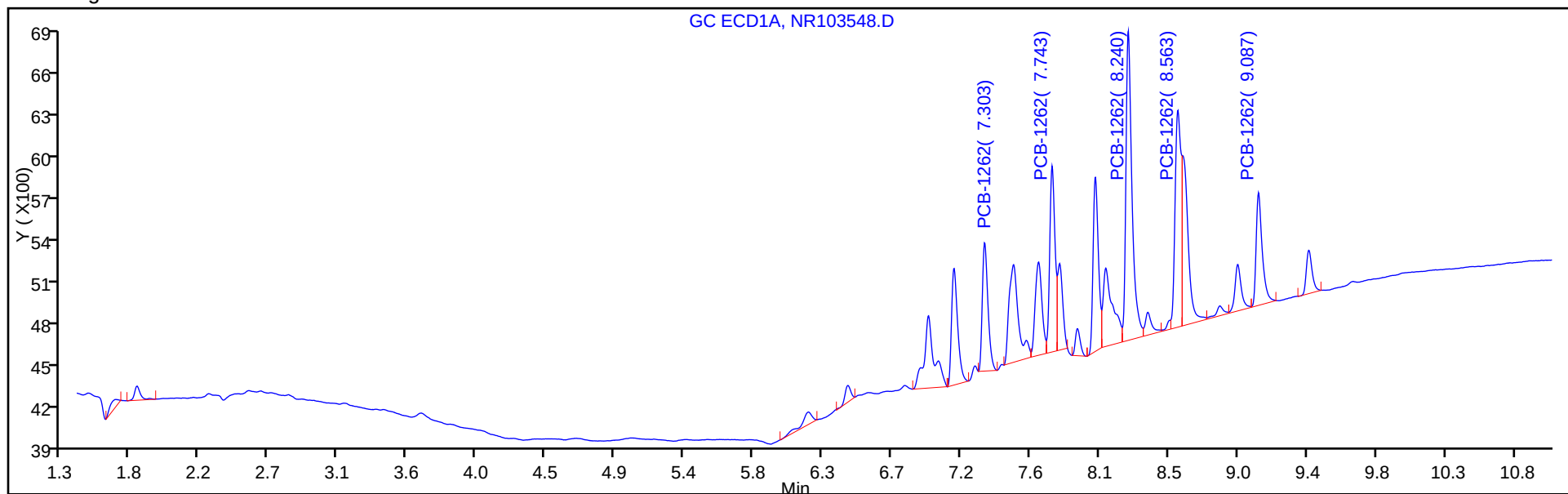
Operator ID:

Injection Vol: 1.0 ul

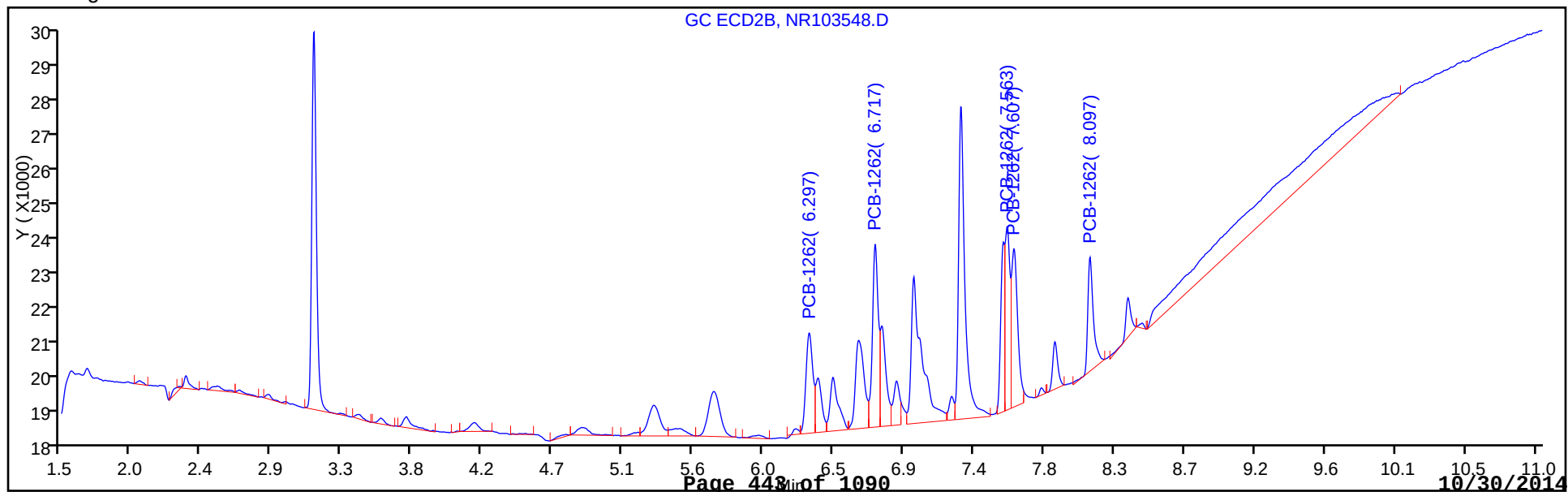
Column Type:

Column Dia:

Y Scaling:

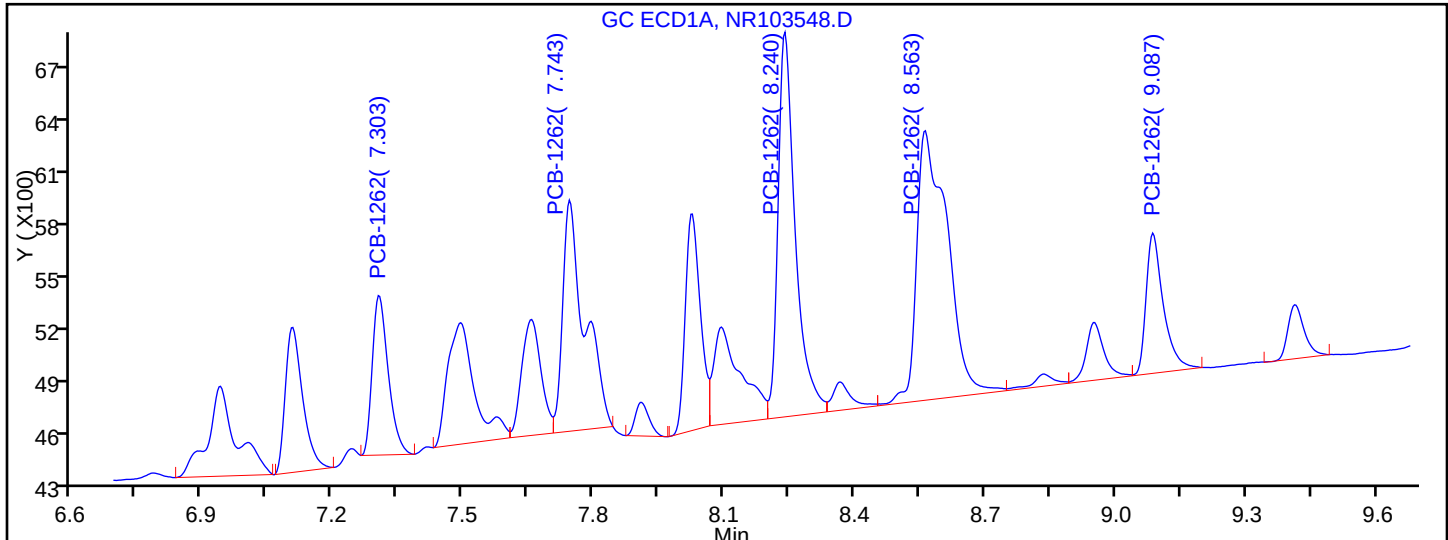


Y Scaling:



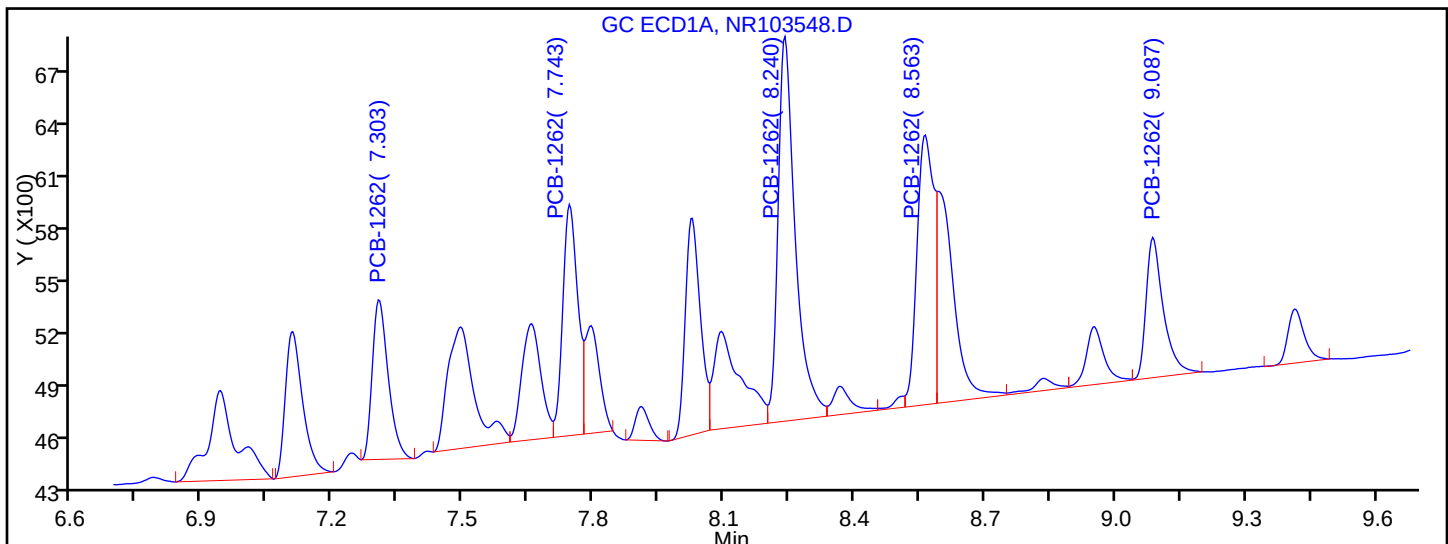
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103548.D
Injection Date: 05-Sep-2013 16:21:25 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 10
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
36 PCB-1262, Detector: 1, GC ECD1A



Processing Integration Results

RT = 7.303	Response = 2256	
RT = 7.743	Response = 4452	M
RT = 8.240	Response = 5891	
RT = 8.563	Response = 7301	M
RT = 9.087	Response = 2141	



Manual Integration Results

RT = 7.303	Response = 2256	
RT = 7.743	Response = 3085	M
RT = 8.240	Response = 5891	
RT = 8.563	Response = 4074	M
RT = 9.087	Response = 2141	

Reviewer: foleysont, 05-Sep-2013 18:37:25

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103549.D
 Lims ID: IC 1262 L2 Client ID:
 Inject. Date: 05-Sep-2013 16:34:59 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 460-0004323-011
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 17
 Lims Batch ID: 179853 Lims Sample ID: 11
 Sublist: chrom-608GC6*sub31
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:31 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:38:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

36 PCB-1262 M

1 7.300 7.297 0.003 24246 551.6 M

1 7.740 7.737 0.003 29994 551.2 M

1 8.233 8.233 0.0 56674 532.1 M

1 8.560 8.557 0.003 39461 587.8 M

1 9.083 9.083 0.0 21350 507.9

Average of Peak Amounts = 546.1

2 6.293 6.293 0.0 79184 519.5 M

2 6.717 6.717 0.0 101476 518.4 M

2 7.567 7.563 0.004 94309 514.9 M

2 7.607 7.607 0.0 114596 537.3 M

2 8.093 8.093 0.0 91512 583.0 M

Average of Peak Amounts = 534.6

RPD = 2.12

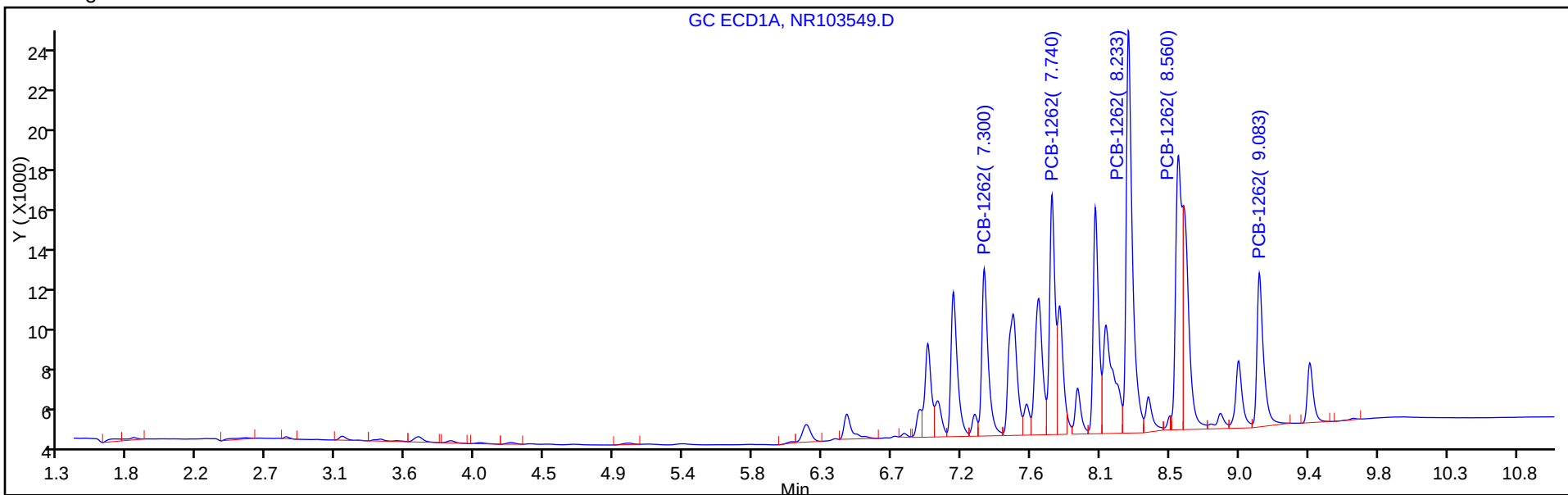
QC Flag Legend

Review Flags

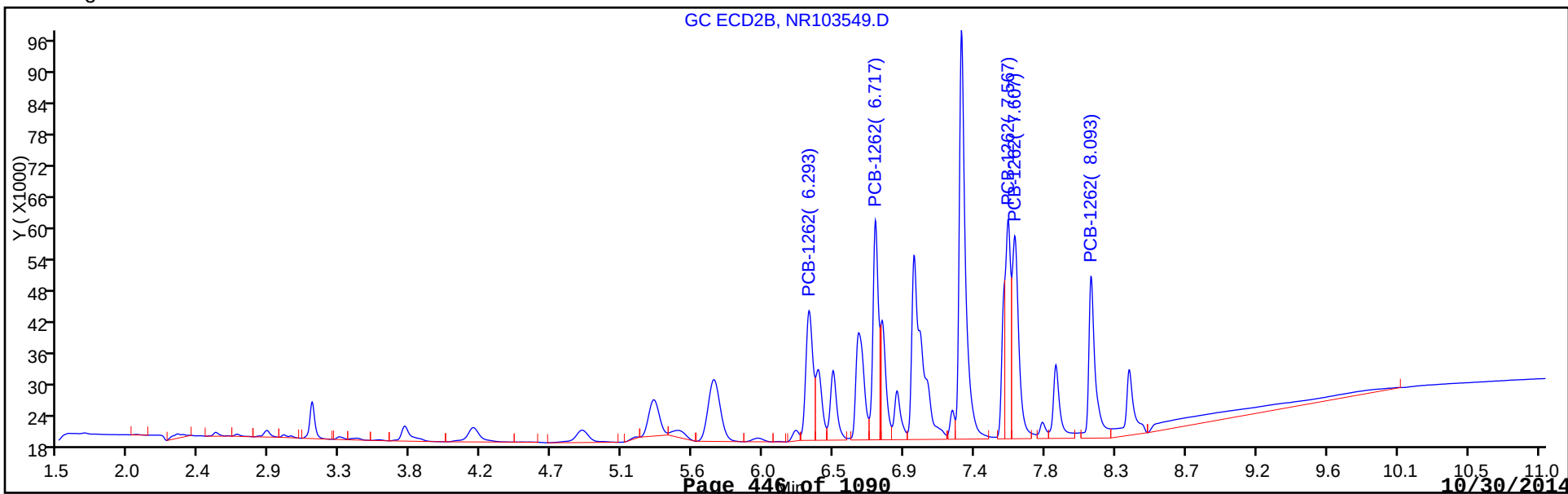
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103549.D
Injection Date: 05-Sep-2013 16:34:59 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 11
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

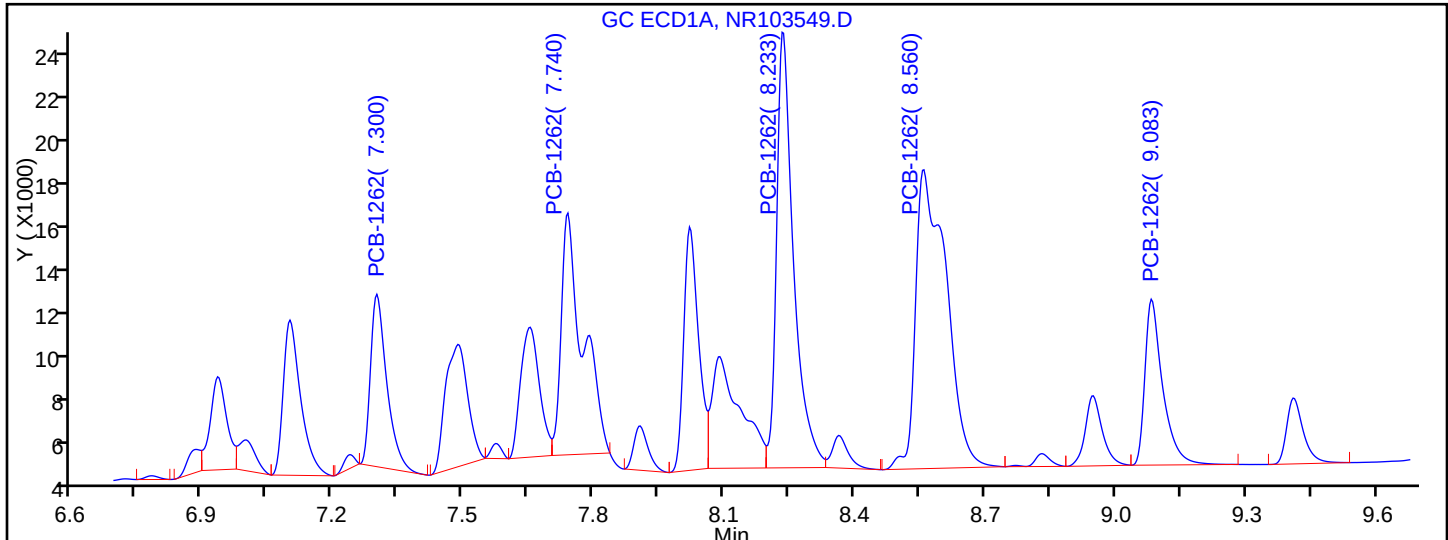


Y Scaling:



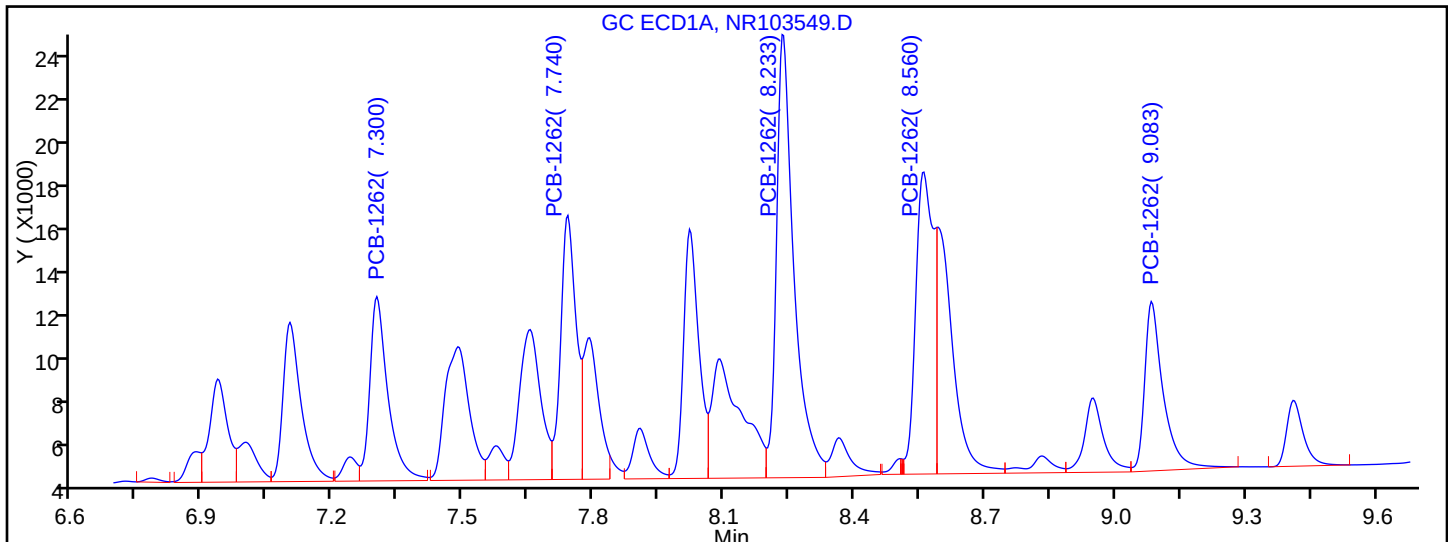
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103549.D
Injection Date: 05-Sep-2013 16:34:59 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 11
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
36 PCB-1262, Detector: 1, GC ECD1A



Processing Integration Results

RT = 7.300	Response = 20420	M
RT = 7.740	Response = 37515	M
RT = 8.233	Response = 53865	M
RT = 8.560	Response = 66475	M
RT = 9.083	Response = 21350	



Manual Integration Results

RT = 7.300	Response = 24246	M
RT = 7.740	Response = 29994	M
RT = 8.233	Response = 56674	M
RT = 8.560	Response = 39461	M
RT = 9.083	Response = 21350	

Reviewer: foleysont, 05-Sep-2013 18:38:16

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103550.D
 Lims ID: IC 1262 L3 Client ID:
 Inject. Date: 05-Sep-2013 16:48:31 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 460-0004323-012
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 18
 Lims Batch ID: 179853 Lims Sample ID: 12
 Sublist: chrom-608GC6*sub31
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:32 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:38:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

36 PCB-1262 M

1	7.297	7.297	0.0	44547	1013.5	
1	7.737	7.737	0.0	52571	1048.8	
1	8.233	8.233	0.0	103888	975.4	
1	8.557	8.557	0.0	65041	1041.9	M
1	9.083	9.083	0.0	42194	1003.7	

Average of Peak Amounts = 1016.6

2	6.293	6.293	0.0	151290	992.5	M
2	6.717	6.717	0.0	189800	1020.6	M
2	7.563	7.563	0.0	186740	1019.5	M
2	7.607	7.607	0.0	213452	1000.8	M
2	8.093	8.093	0.0	156418	996.6	M

Average of Peak Amounts = 1006.0

RPD = 1.05

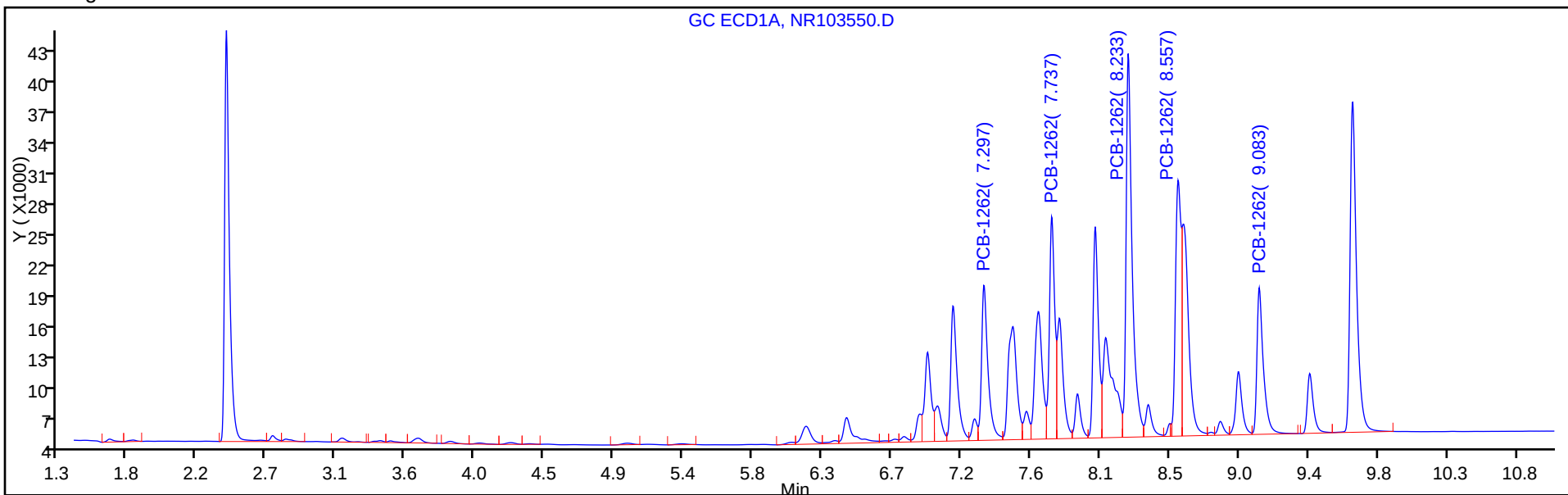
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Review Flags

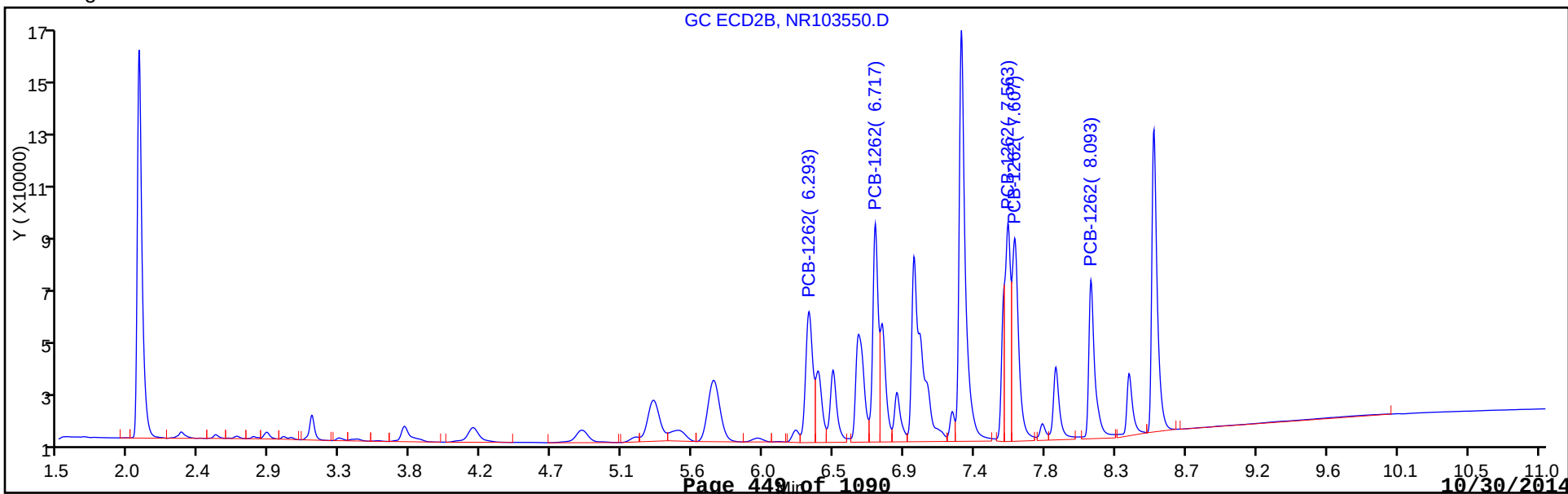
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103550.D
Injection Date: 05-Sep-2013 16:48:31 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 12
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

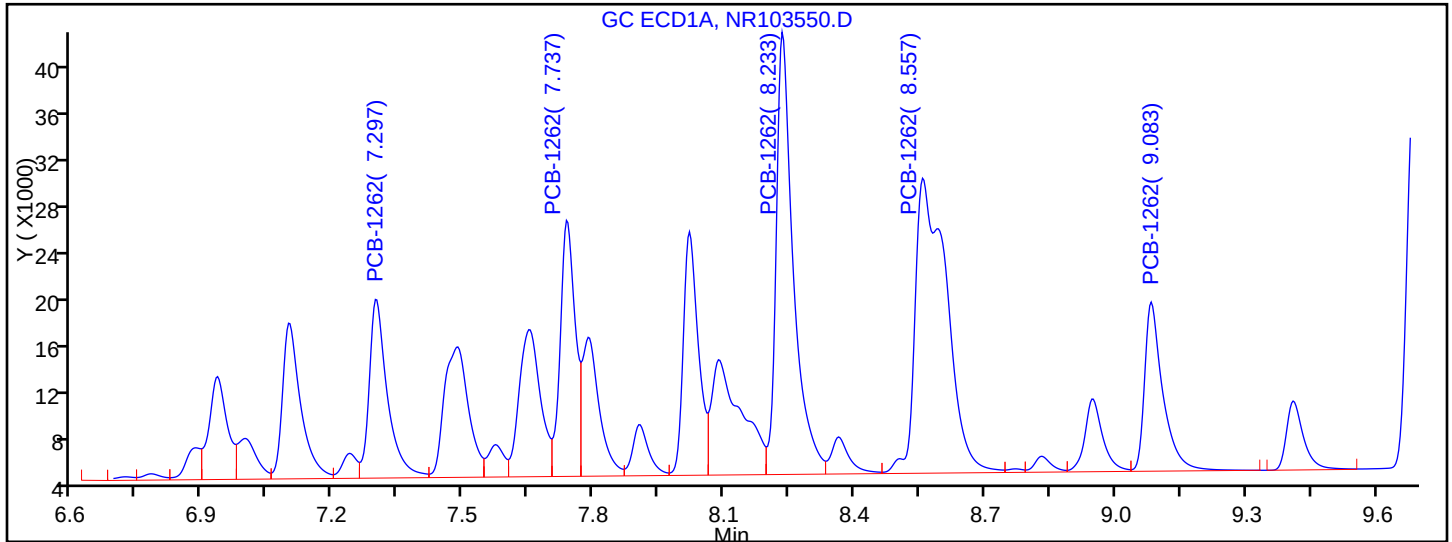


Y Scaling:



TestAmerica Edison

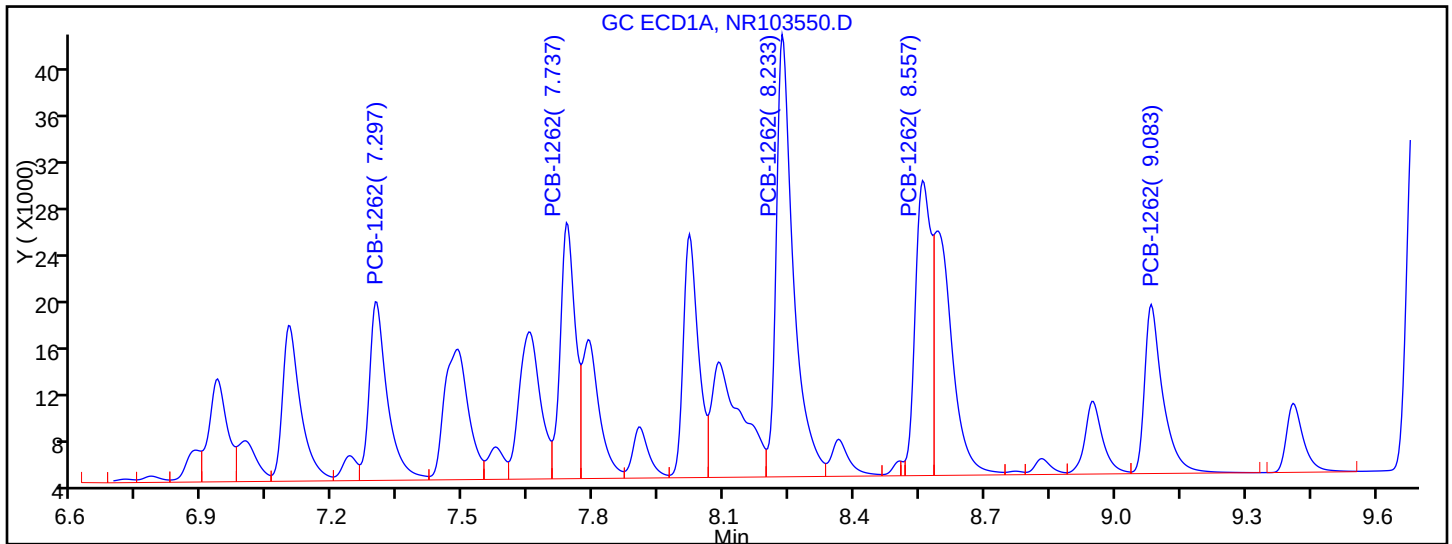
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Injection Date: 05-Sep-2013 16:48:31 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 12
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
36 PCB-1262, Detector: 1, GC ECD1A



Processing Integration Results

RT = 7.297	Response = 44547
RT = 7.737	Response = 52571
RT = 8.233	Response = 103888
RT = 8.557	Response = 127037
RT = 9.083	Response = 42194

M



Manual Integration Results

RT = 7.297	Response = 44547
RT = 7.737	Response = 52571
RT = 8.233	Response = 103888
RT = 8.557	Response = 65041
RT = 9.083	Response = 42194

M

Reviewer: foleysont, 05-Sep-2013 18:38:53

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103551.D
 Lims ID: IC 1262 L4 Client ID:
 Inject. Date: 05-Sep-2013 17:02:15 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 460-0004323-013
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 179853 Lims Sample ID: 13
 Sublist: chrom-608GC6*sub31
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:33 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:43:51

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

36 PCB-1262						M
1	7.297	7.297	0.0	62321	1417.8	M
1	7.737	7.737	0.0	75301	1549.8	M
1	8.233	8.233	0.0	150707	1415.0	M
1	8.557	8.557	0.0	89903	1483.3	M
1	9.083	9.083	0.0	63635	1513.7	M

Average of Peak Amounts = 1475.9

2	6.293	6.293	0.0	221421	1452.6	M
2	6.717	6.717	0.0	277598	1519.8	M
2	7.563	7.563	0.0	251235	1371.6	M
2	7.607	7.607	0.0	294708	1381.7	M
2	8.093	8.093	0.0	208066	1325.6	

Average of Peak Amounts = 1410.3

RPD = 4.55

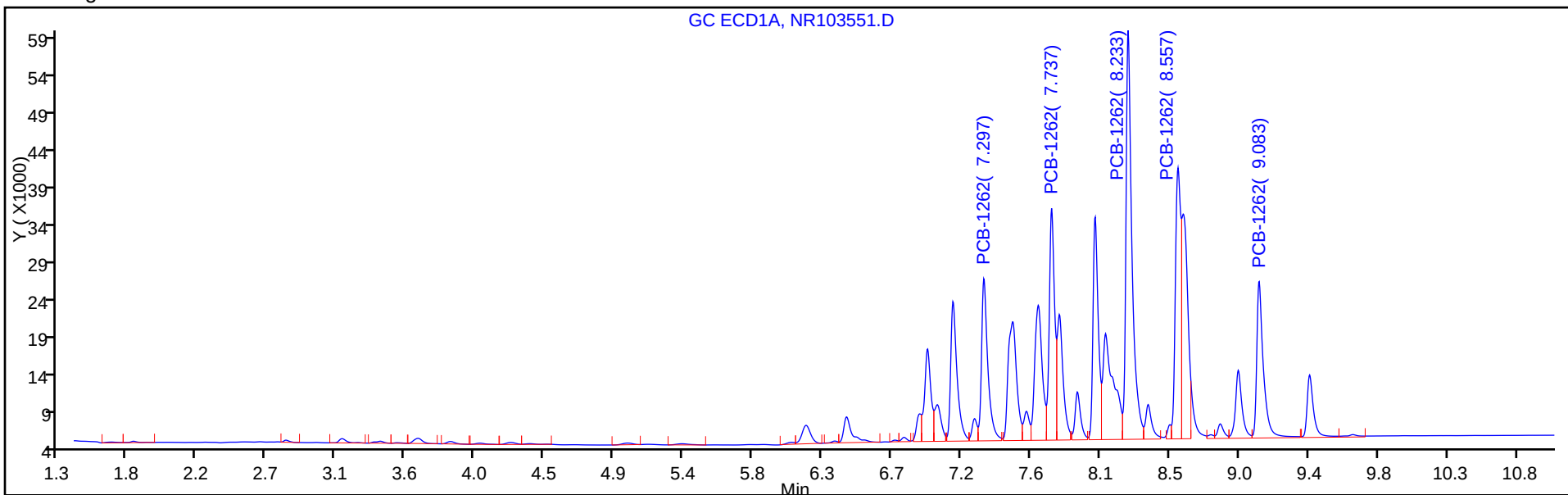
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Review Flags

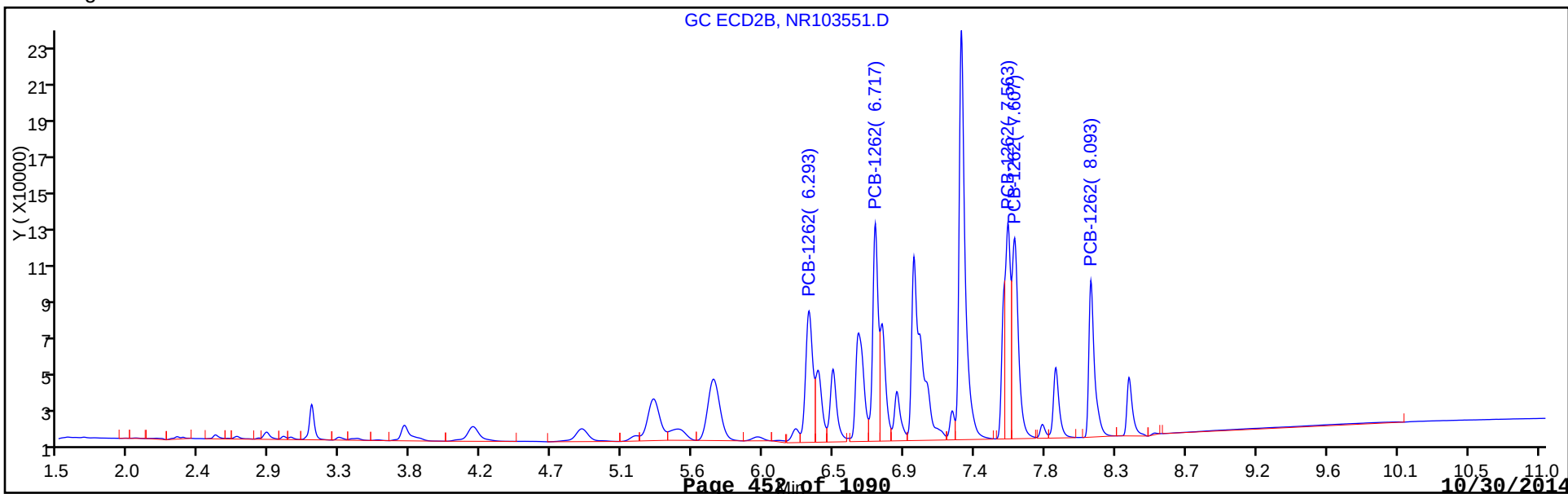
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103551.D
Injection Date: 05-Sep-2013 17:02:15 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 13
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

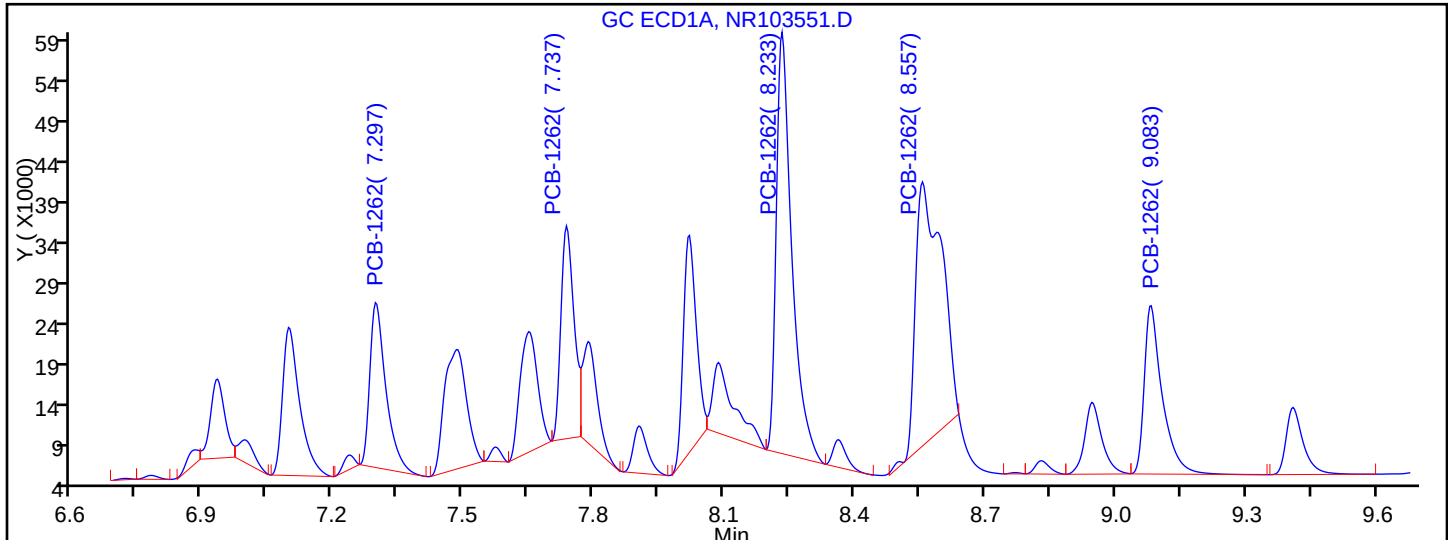


Y Scaling:



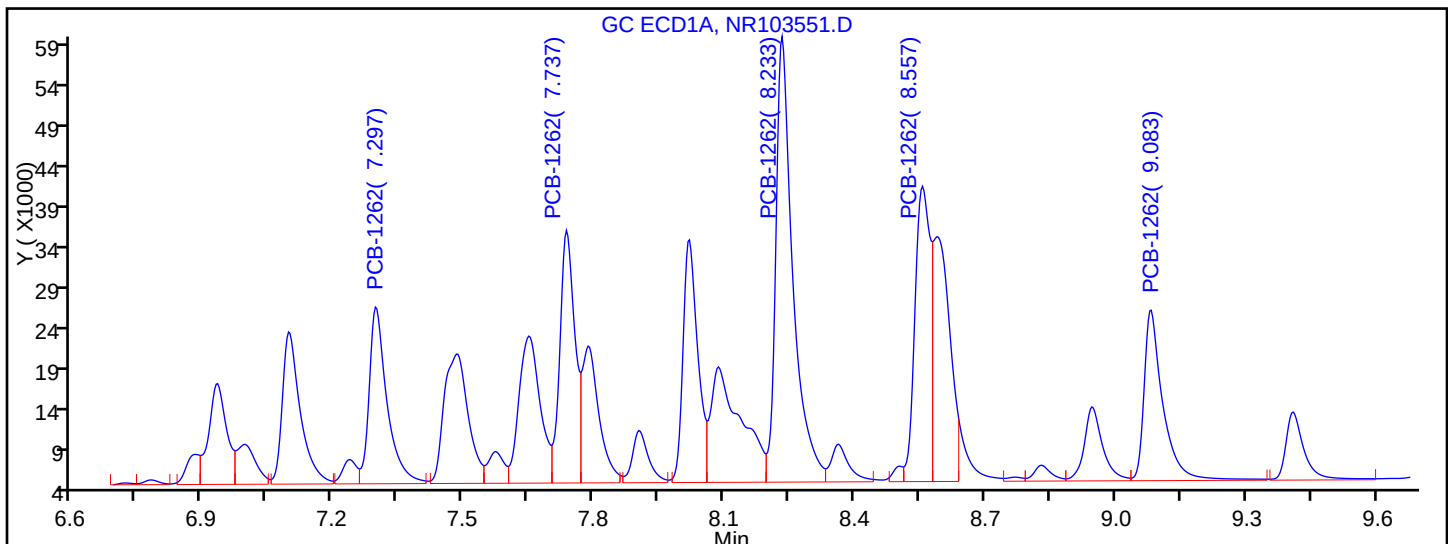
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103551.D
Injection Date: 05-Sep-2013 17:02:15 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 13
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
36 PCB-1262, Detector: 1, GC ECD1A



Processing Integration Results

RT = 7.297	Response = 52615	M
RT = 7.737	Response = 55661	M
RT = 8.233	Response = 129900	M
RT = 8.557	Response = 134713	M
RT = 9.083	Response = 59847	M



Manual Integration Results

RT = 7.297	Response = 62321	M
RT = 7.737	Response = 75301	M
RT = 8.233	Response = 150707	M
RT = 8.557	Response = 89903	M
RT = 9.083	Response = 63635	M

Reviewer: foleysont, 05-Sep-2013 18:43:51

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103552.D
 Lims ID: IC 1262 L5 Client ID:
 Inject. Date: 05-Sep-2013 17:15:49 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 460-0004323-014
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 20
 Lims Batch ID: 179853 Lims Sample ID: 14
 Sublist: chrom-608GC6*sub31
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:34 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:44:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

36 PCB-1262 M

1 7.297 7.297 0.0 100174 2279.0 M

1 7.737 7.737 0.0 115787 2442.2 M

1 8.233 8.233 0.0 242532 2277.1 M

1 8.557 8.557 0.0 145907 2477.5 M

1 9.080 9.083 -0.003 100145 2382.2 M

Average of Peak Amounts = 2371.6

2 6.293 6.293 0.0 349921 2295.6 M

2 6.717 6.717 0.0 445944 2476.9 M

2 7.563 7.563 0.0 415505 2268.5 M

2 7.607 7.607 0.0 500784 2347.9 M

2 8.093 8.093 0.0 384853 2452.0 M

Average of Peak Amounts = 2368.2

RPD = 0.14

QC Flag Legend

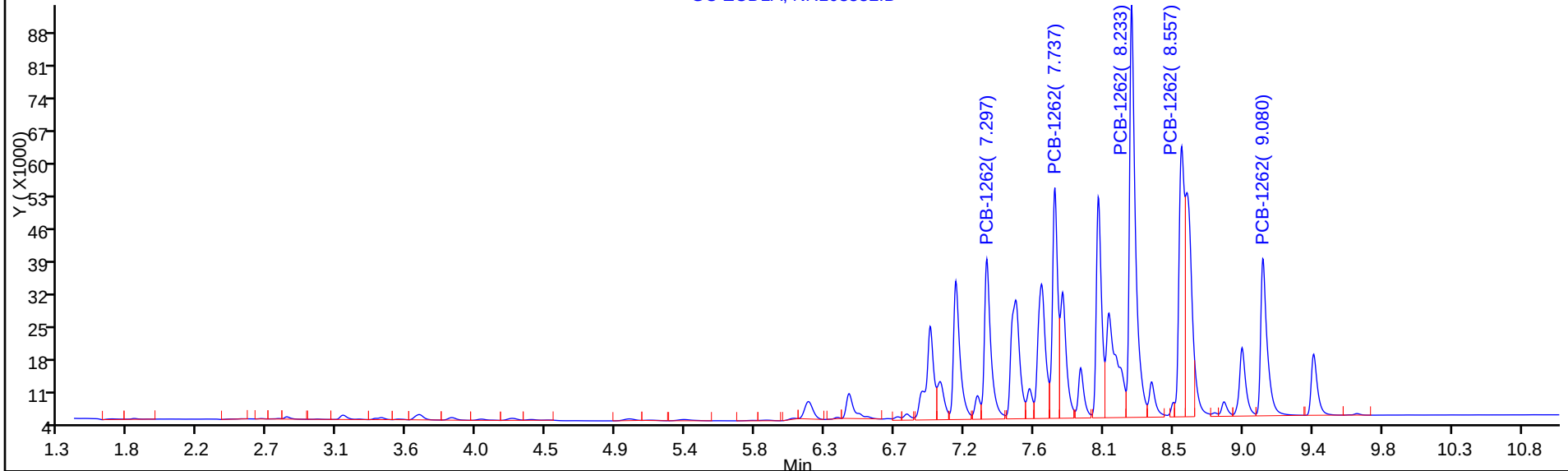
Review Flags

M - Manually Integrated

TestAmerica Edison

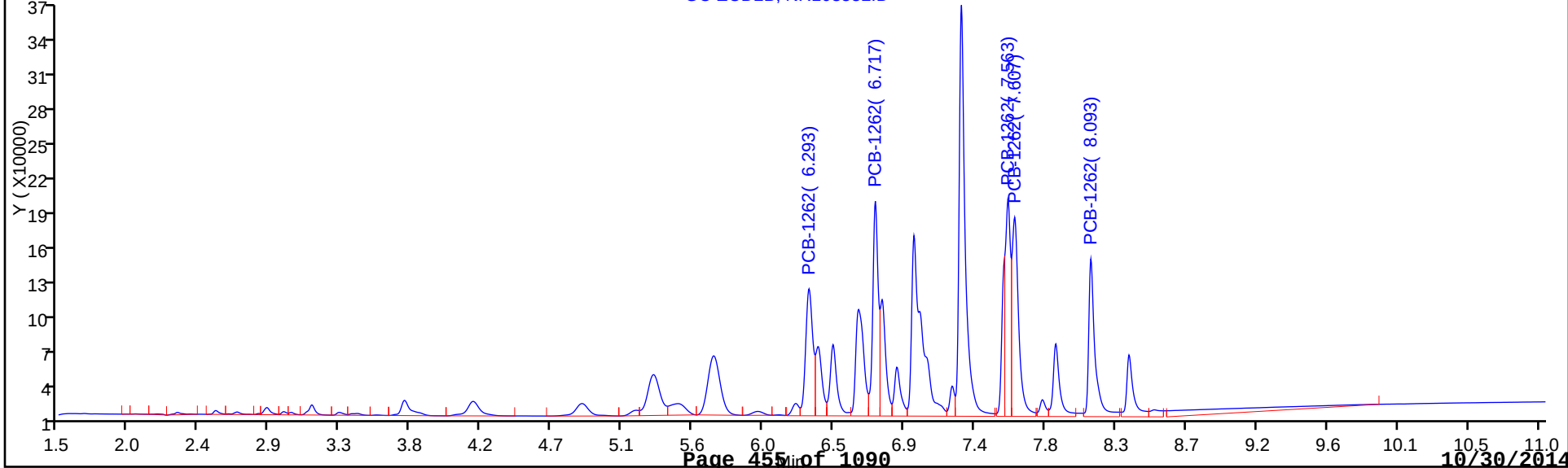
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Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 14
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

GC ECD1A, NR103552.D



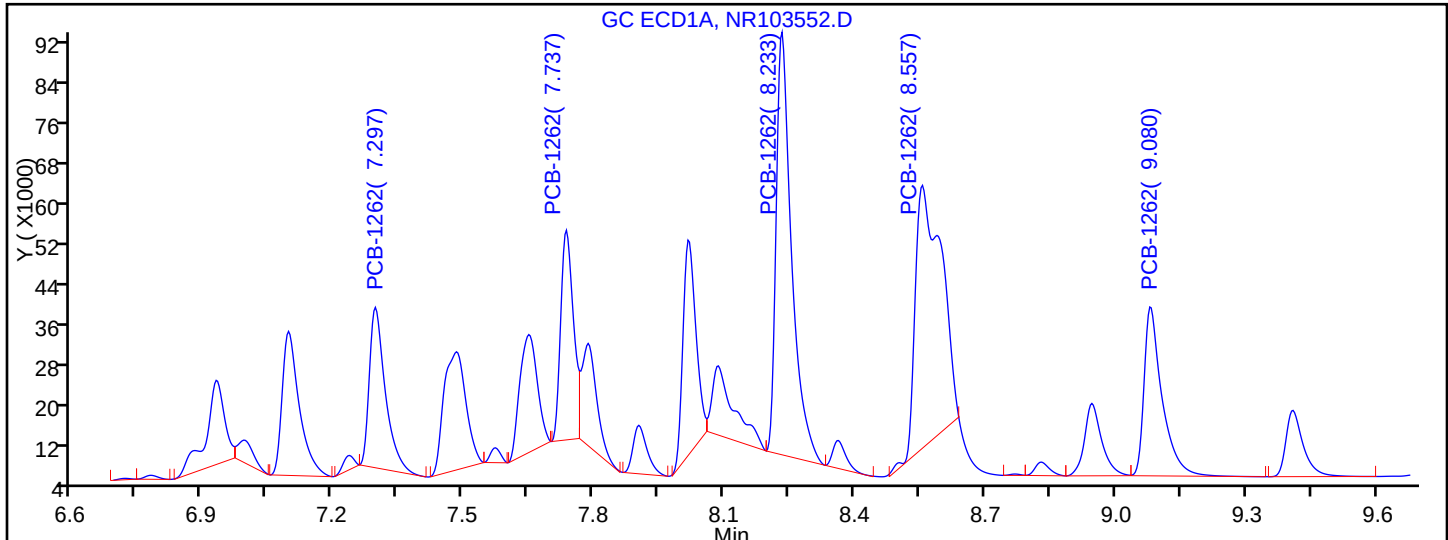
Y Scaling:

GC ECD2B, NR103552.D



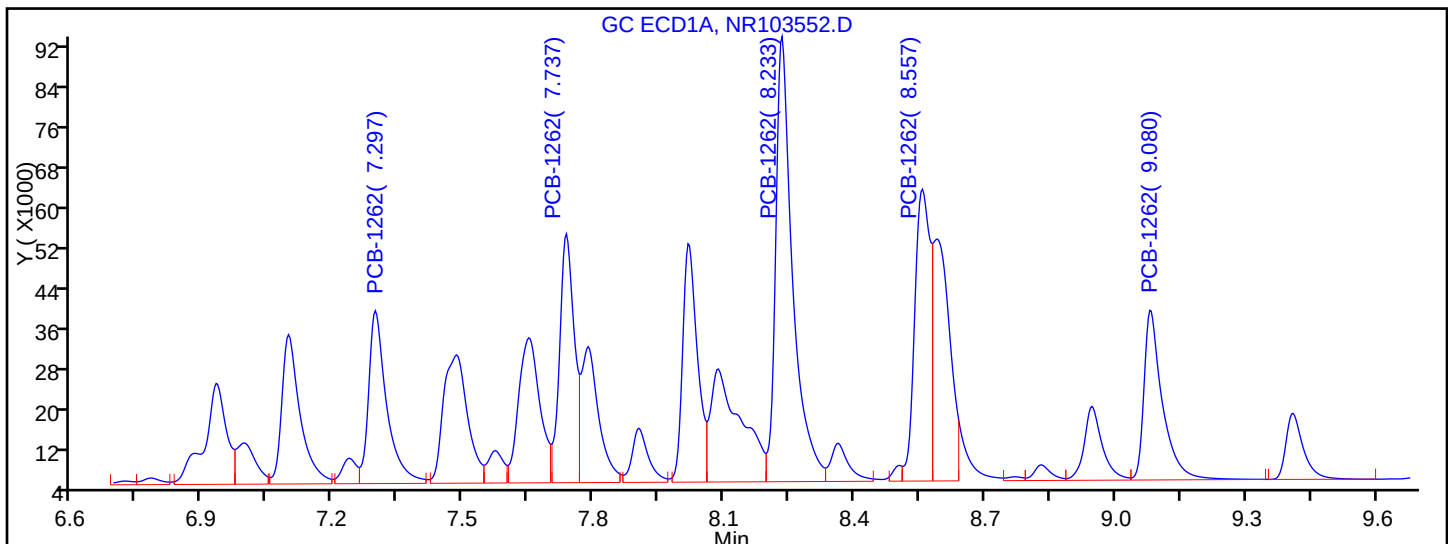
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103552.D
Injection Date: 05-Sep-2013 17:15:49 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 14
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
36 PCB-1262, Detector: 1, GC ECD1A



Processing Integration Results

RT = 7.297	Response = 82023	M
RT = 7.737	Response = 85453	M
RT = 8.233	Response = 208596	M
RT = 8.557	Response = 217243	M
RT = 9.080	Response = 97011	M



Manual Integration Results

RT = 7.297	Response = 100174	M
RT = 7.737	Response = 115787	M
RT = 8.233	Response = 242532	M
RT = 8.557	Response = 145907	M
RT = 9.080	Response = 100145	M

Reviewer: foleysont, 05-Sep-2013 18:44:28

Audit Action: Assigned New Baseline

Audit Reason: Wrong Peak

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 16:21 Calibration End Date: 09/05/2013 17:15 Calibration ID: 29080

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/10	NR103548.D
Level 2	IC 460-179853/11	NR103549.D
Level 3	IC 460-179853/12	NR103550.D
Level 4	IC 460-179853/13	NR103551.D
Level 5	IC 460-179853/14	NR103552.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1262 Peak 1	6.297	6.293	6.293	6.293	6.293						6.193 - 6.393	6.294
PCB-1262 Peak 2	6.717	6.717	6.717	6.717	6.717						6.617 - 6.817	6.717
PCB-1262 Peak 3	7.563	7.567	7.563	7.563	7.563						7.463 - 7.663	7.564
PCB-1262 Peak 4	7.607	7.607	7.607	7.607	7.607						7.507 - 7.707	7.607
PCB-1262 Peak 5	8.097	8.093	8.093	8.093	8.093						7.993 - 8.193	8.094

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 16:21 Calibration End Date: 09/05/2013 17:15 Calibration ID: 29080

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/10	NR103548.D
Level 2	IC 460-179853/11	NR103549.D
Level 3	IC 460-179853/12	NR103550.D
Level 4	IC 460-179853/13	NR103551.D
Level 5	IC 460-179853/14	NR103552.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 3	LVL 4		B	M1	M2								
PCB-1262 Peak 1	164.92 139.97	158.37	151.29	147.61	Ave		152.432080				6.3		10.0			
PCB-1262 Peak 2	256.06 178.38	202.95	189.80	185.07	Lin	10292.8018	175.884143							0.9990		0.9900
PCB-1262 Peak 3	206.78 166.20	188.62	186.74	167.49	Ave		183.166000				9.2		10.0			
PCB-1262 Peak 4	227.02 200.31	229.19	213.45	196.47	Ave		213.289920				7.0		10.0			
PCB-1262 Peak 5	152.68 153.94	183.02	156.42	138.71	Ave		156.954773				10.0		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 16:21 Calibration End Date: 09/05/2013 17:15 Calibration ID: 29080

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/10	NR103548.D
Level 2	IC 460-179853/11	NR103549.D
Level 3	IC 460-179853/12	NR103550.D
Level 4	IC 460-179853/13	NR103551.D
Level 5	IC 460-179853/14	NR103552.D

ANALYTE	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
PCB-1262 Peak 1	Ave	8246	79184	151290	221421	349921	50.0	500	1000	1500	2500
PCB-1262 Peak 2	Lin	12803	101476	189800	277598	445944	50.0	500	1000	1500	2500
PCB-1262 Peak 3	Ave	10339	94309	186740	251235	415505	50.0	500	1000	1500	2500
PCB-1262 Peak 4	Ave	11351	114596	213452	294708	500784	50.0	500	1000	1500	2500
PCB-1262 Peak 5	Ave	7634	91512	156418	208066	384853	50.0	500	1000	1500	2500

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103548.D
 Lims ID: IC 1262 L1 Client ID:
 Inject. Date: 05-Sep-2013 16:21:25 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 460-0004323-010
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 16
 Lims Batch ID: 179853 Lims Sample ID: 10
 Sublist: chrom-608GC6*sub31
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:30 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:37:25

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

36 PCB-1262 M

1	7.303	7.297	0.006	2256	51.3	
1	7.743	7.737	0.006	3085	-42.0	M
1	8.240	8.233	0.007	5891	55.3	
1	8.563	8.557	0.006	4074	-40.5	M
1	9.087	9.083	0.004	2141	50.9	

Average of Peak Amounts = 15.0

2	6.297	6.293	0.004	8246	54.1	M
2	6.717	6.717	0.0	12803	14.3	M
2	7.563	7.563	0.0	10339	56.4	M
2	7.607	7.607	0.0	11351	53.2	M
2	8.097	8.093	0.004	7634	48.6	

Average of Peak Amounts = 45.3

RPD = 100.43

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 06-Sep-2013 15:29:30

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103548.D

Injection Date: 05-Sep-2013 16:21:25

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 179853

Lims Sample ID: 10

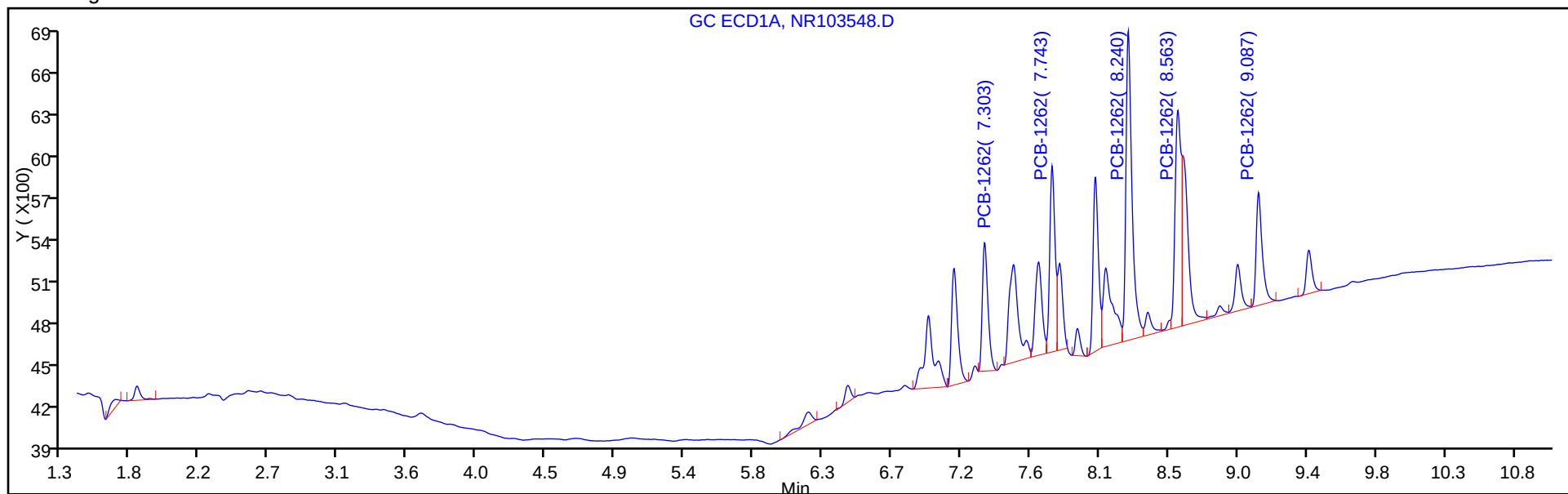
Operator ID:

Injection Vol: 1.0 ul

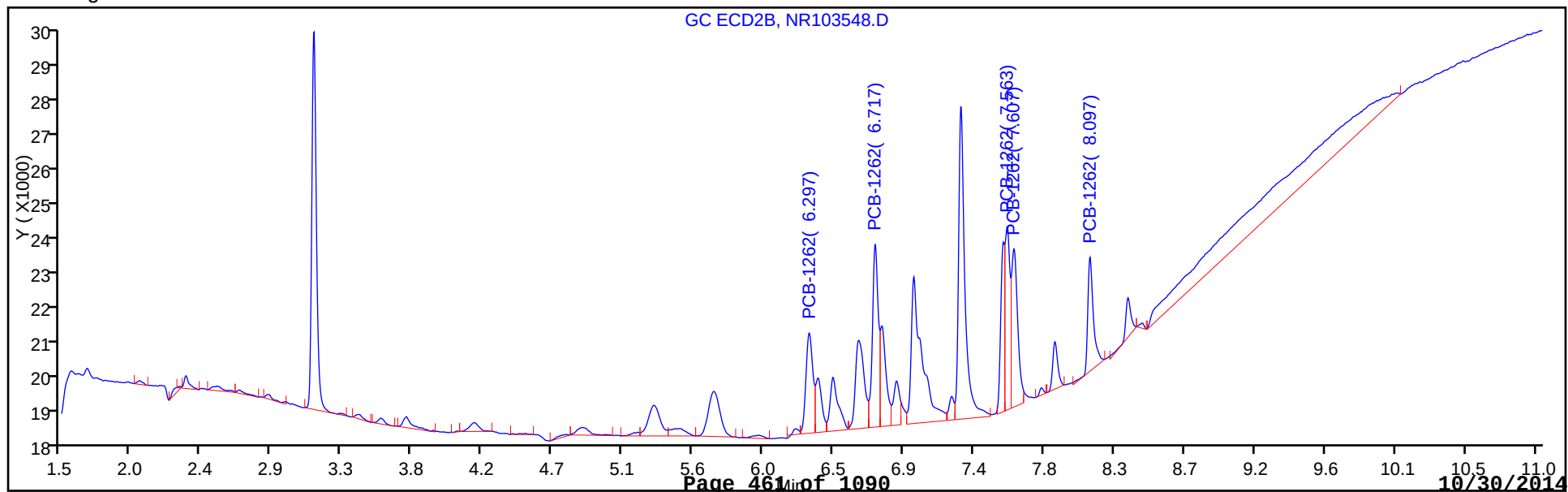
Column Type:

Column Dia:

Y Scaling:



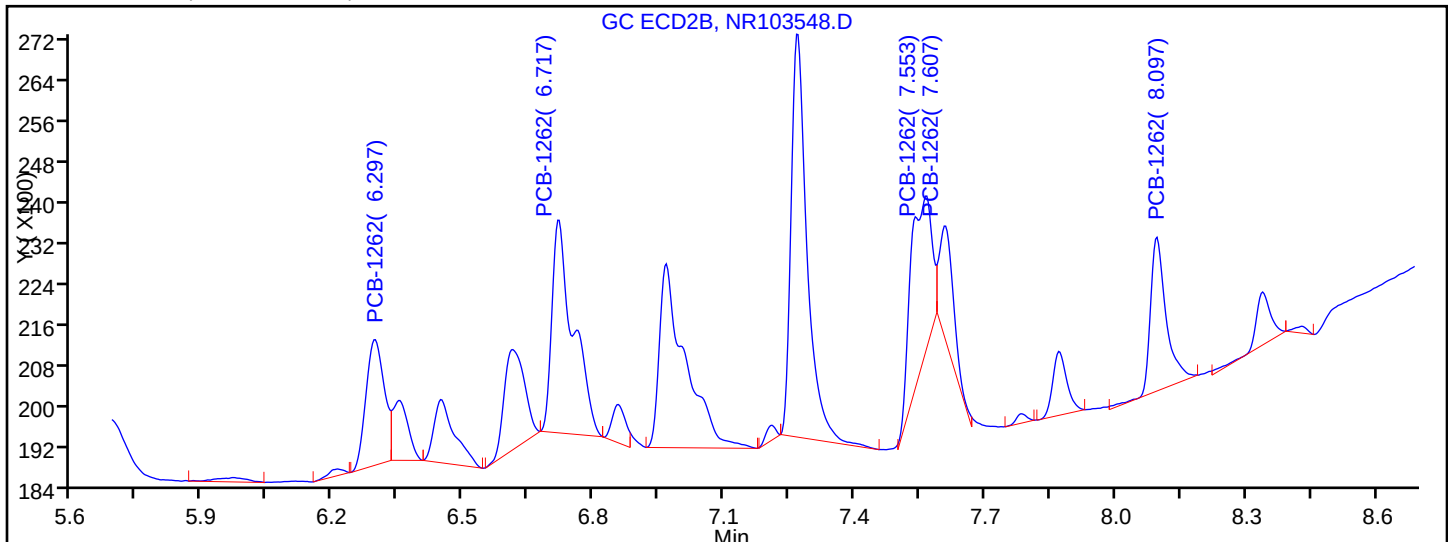
Y Scaling:



TestAmerica Edison

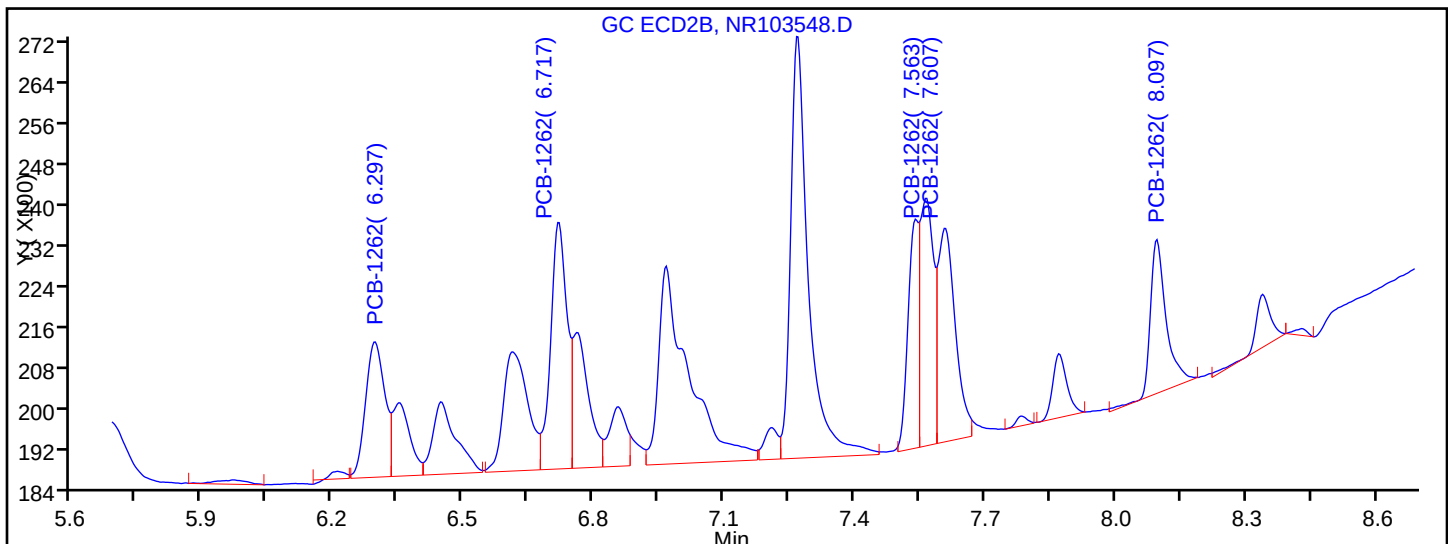
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Injection Date: 05-Sep-2013 16:21:25 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 10
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

36 PCB-1262, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.297	Response = 7297	M
RT = 6.717	Response = 14201	M
RT = 7.553	Response = 11299	M
RT = 7.607	Response = 4936	M
RT = 8.097	Response = 7634	



Manual Integration Results

RT = 6.297	Response = 8246	M
RT = 6.717	Response = 12803	M
RT = 7.563	Response = 10339	M
RT = 7.607	Response = 11351	M
RT = 8.097	Response = 7634	

Reviewer: foleysont, 05-Sep-2013 18:37:25

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103549.D
 Lims ID: IC 1262 L2 Client ID:
 Inject. Date: 05-Sep-2013 16:34:59 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 460-0004323-011
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 17
 Lims Batch ID: 179853 Lims Sample ID: 11
 Sublist: chrom-608GC6*sub31
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:31 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:38:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

36 PCB-1262 M

1 7.300 7.297 0.003 24246 551.6 M

1 7.740 7.737 0.003 29994 551.2 M

1 8.233 8.233 0.0 56674 532.1 M

1 8.560 8.557 0.003 39461 587.8 M

1 9.083 9.083 0.0 21350 507.9

Average of Peak Amounts = 546.1

2 6.293 6.293 0.0 79184 519.5 M

2 6.717 6.717 0.0 101476 518.4 M

2 7.567 7.563 0.004 94309 514.9 M

2 7.607 7.607 0.0 114596 537.3 M

2 8.093 8.093 0.0 91512 583.0 M

Average of Peak Amounts = 534.6

RPD = 2.12

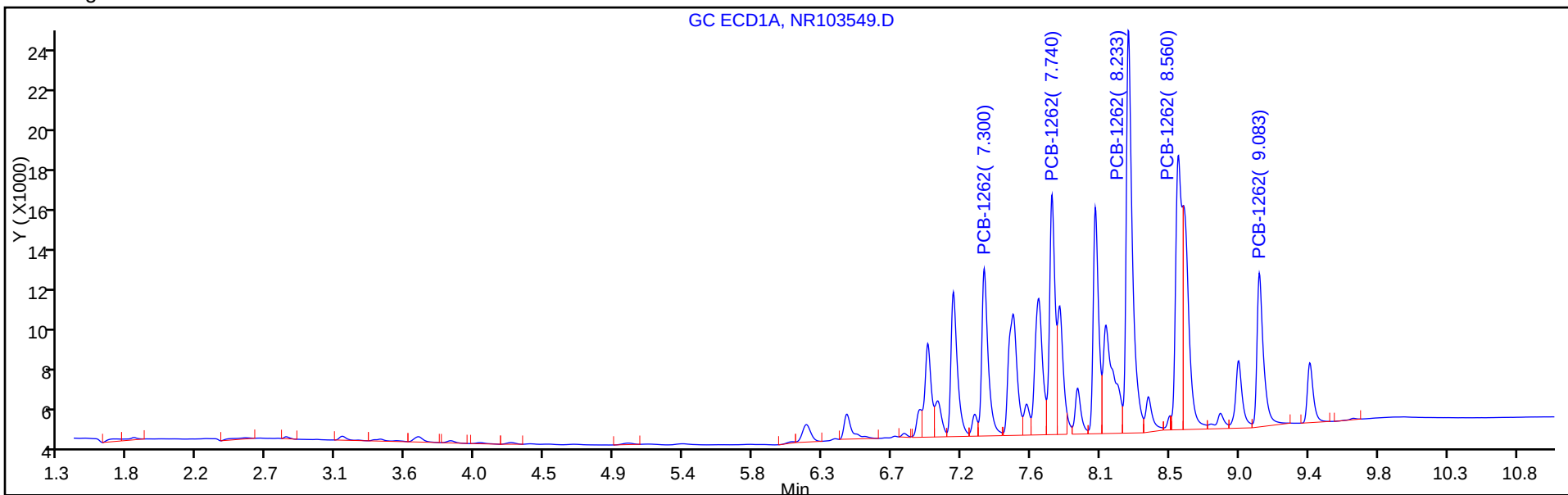
QC Flag Legend

Review Flags

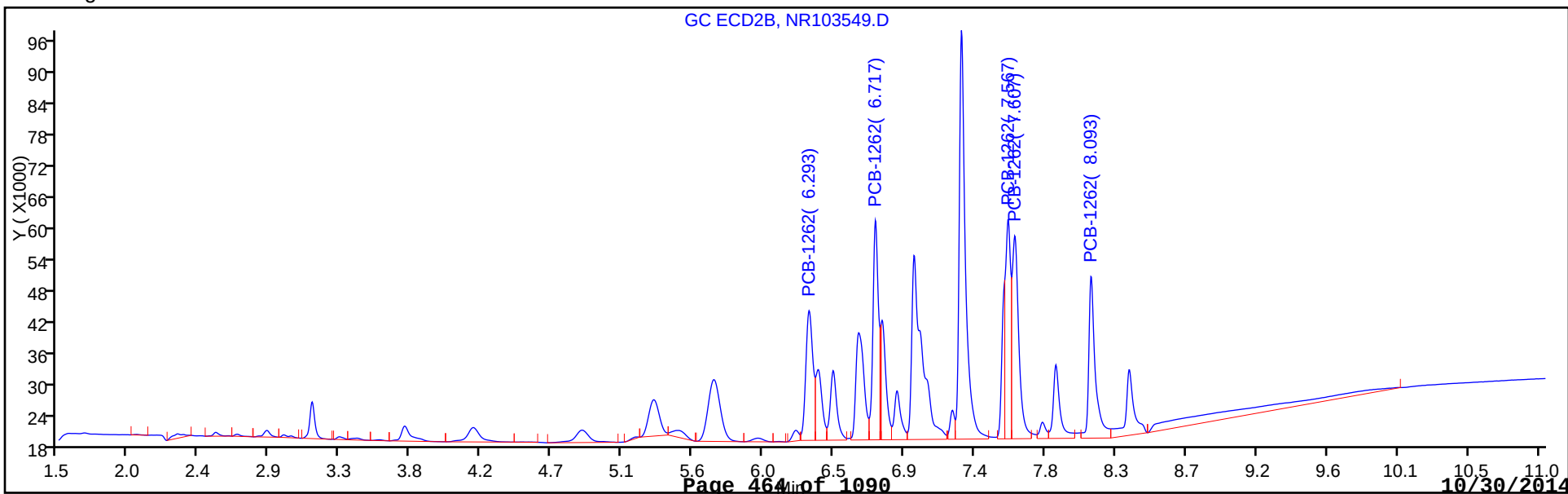
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103549.D
Injection Date: 05-Sep-2013 16:34:59 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 11
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



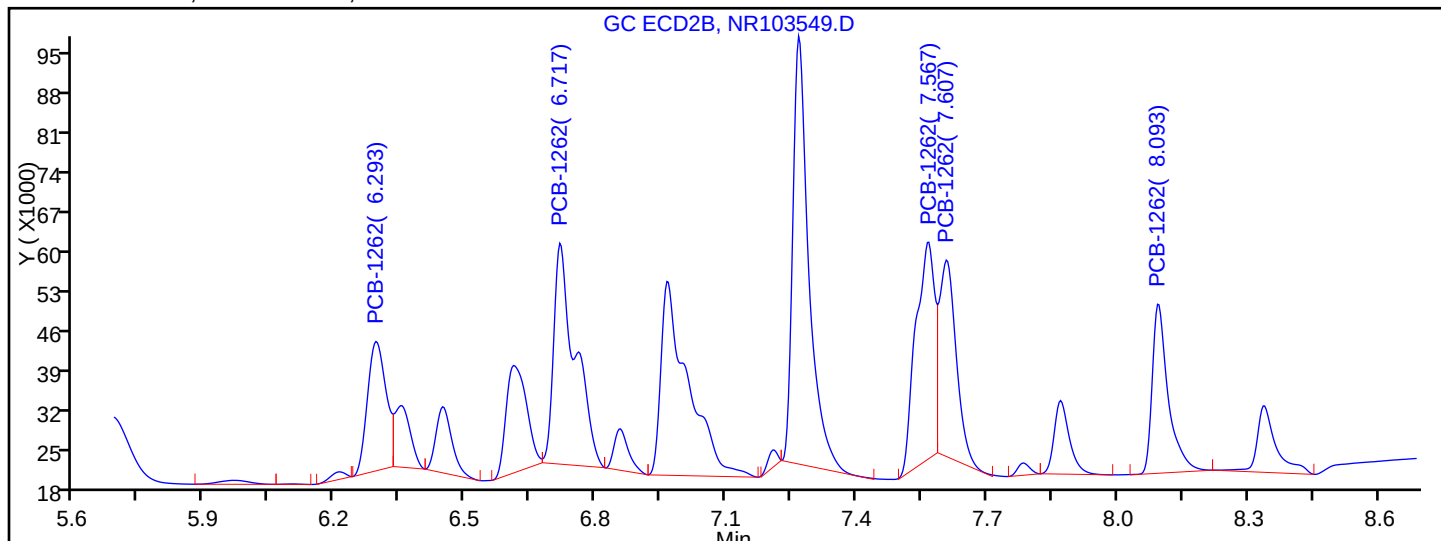
Y Scaling:



TestAmerica Edison

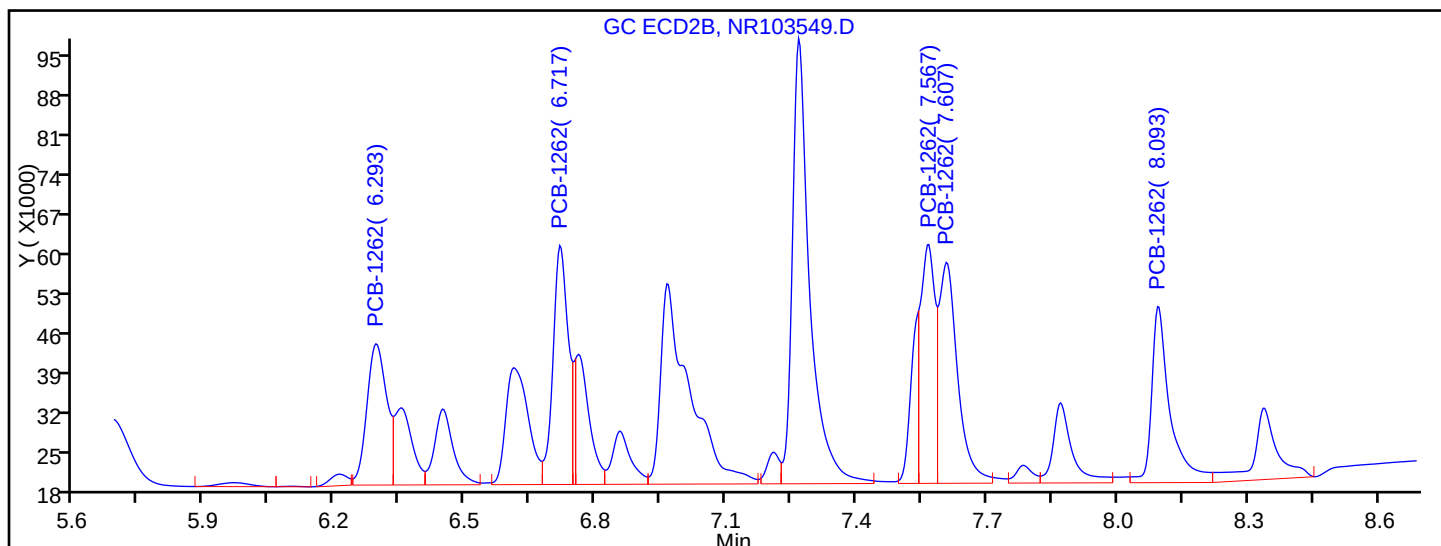
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Injection Date:	05-Sep-2013 16:34:59	Limit Group:	GC 608 ICAL
Client ID:		Instrument ID:	CPESTGC6
Lims Batch ID:	179853	Lims Sample ID:	11
Operator ID:		Injection Vol:	1.0 ul
Column Type:		Column Dia:	

36 PCB-1262, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.293	Response = 68238	M
RT = 6.717	Response = 132799	M
RT = 7.567	Response = 117244	M
RT = 7.607	Response = 92876	M
RT = 8.093	Response = 76008	M



Manual Integration Results

RT = 6.293	Response = 79184	M
RT = 6.717	Response = 101476	M
RT = 7.567	Response = 94309	M
RT = 7.607	Response = 114596	M
RT = 8.093	Response = 91512	M

Reviewer: foleysont, 05-Sep-2013 18:38:16

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103550.D
 Lims ID: IC 1262 L3 Client ID:
 Inject. Date: 05-Sep-2013 16:48:31 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 460-0004323-012
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 18
 Lims Batch ID: 179853 Lims Sample ID: 12
 Sublist: chrom-608GC6*sub31
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:32 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:38:53

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

36 PCB-1262 M

1	7.297	7.297	0.0	44547	1013.5	
1	7.737	7.737	0.0	52571	1048.8	
1	8.233	8.233	0.0	103888	975.4	
1	8.557	8.557	0.0	65041	1041.9	M
1	9.083	9.083	0.0	42194	1003.7	

Average of Peak Amounts = 1016.6

2	6.293	6.293	0.0	151290	992.5	M
2	6.717	6.717	0.0	189800	1020.6	M
2	7.563	7.563	0.0	186740	1019.5	M
2	7.607	7.607	0.0	213452	1000.8	M
2	8.093	8.093	0.0	156418	996.6	M

Average of Peak Amounts = 1006.0

RPD = 1.05

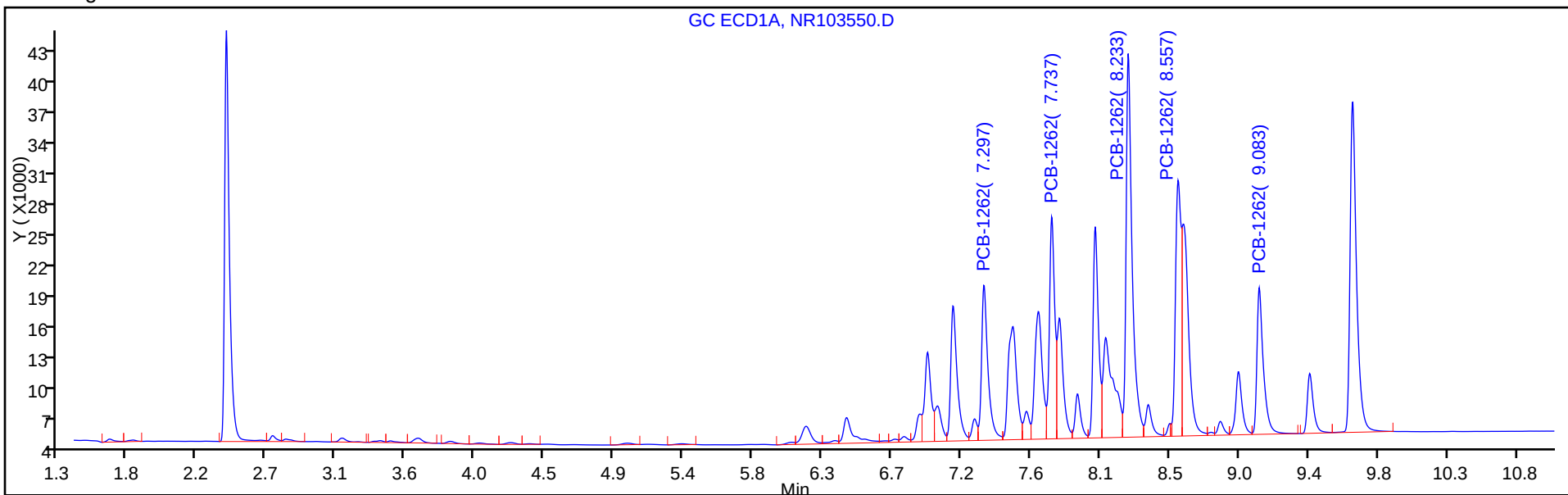
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Review Flags

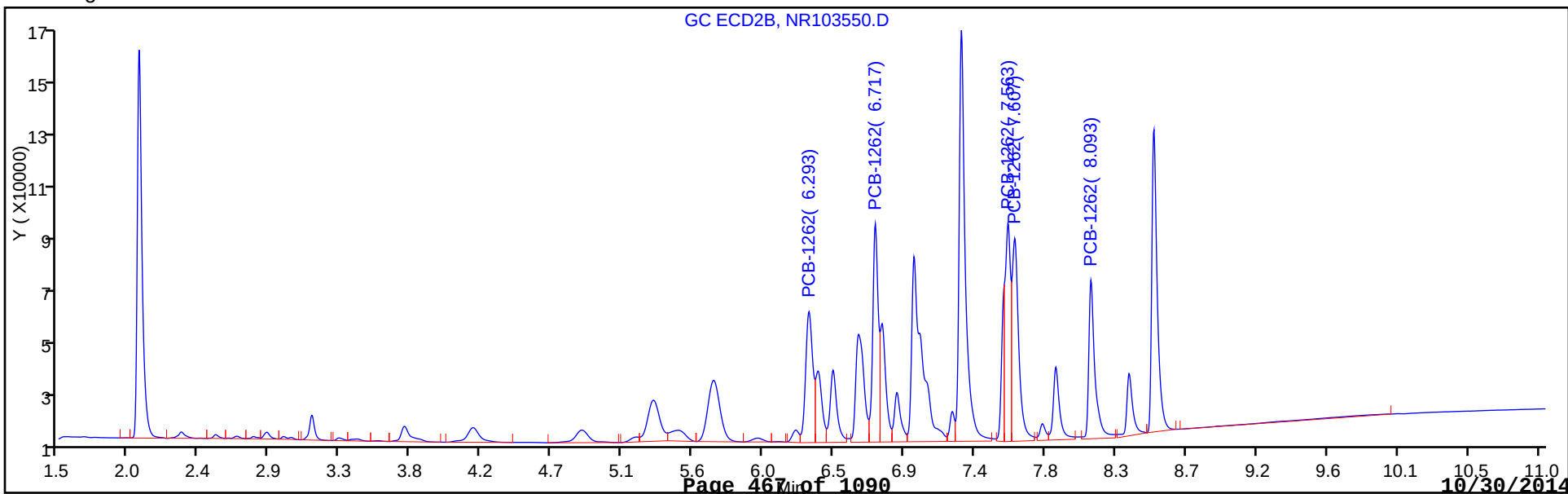
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103550.D
Injection Date: 05-Sep-2013 16:48:31 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 12
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

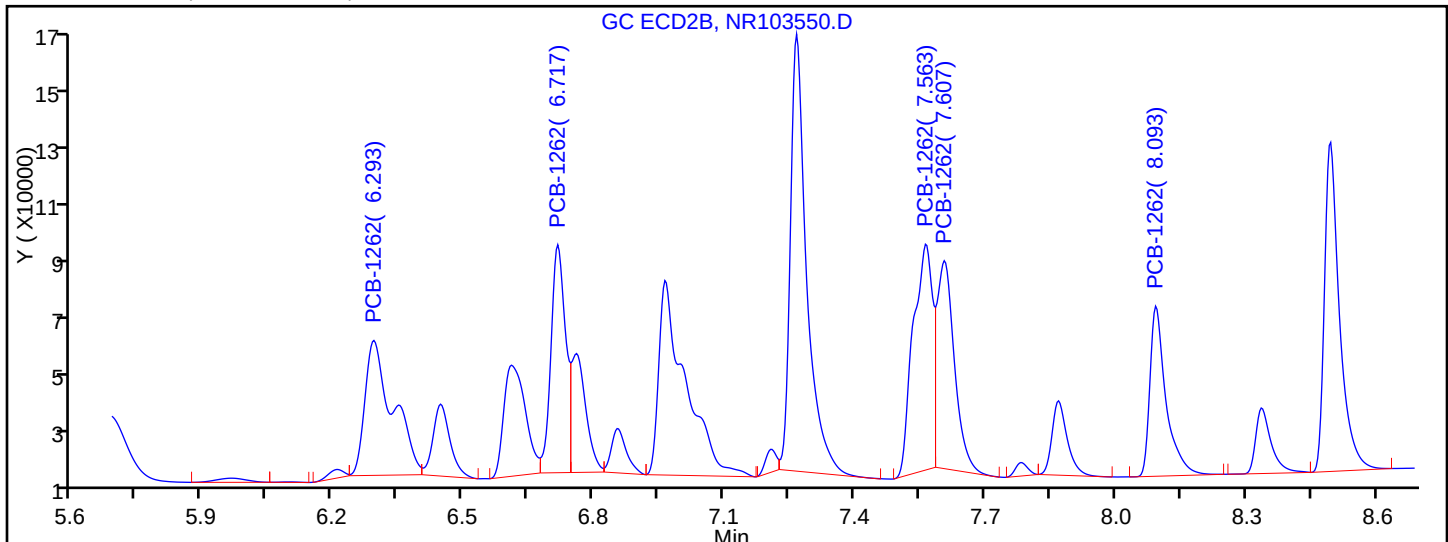


Y Scaling:



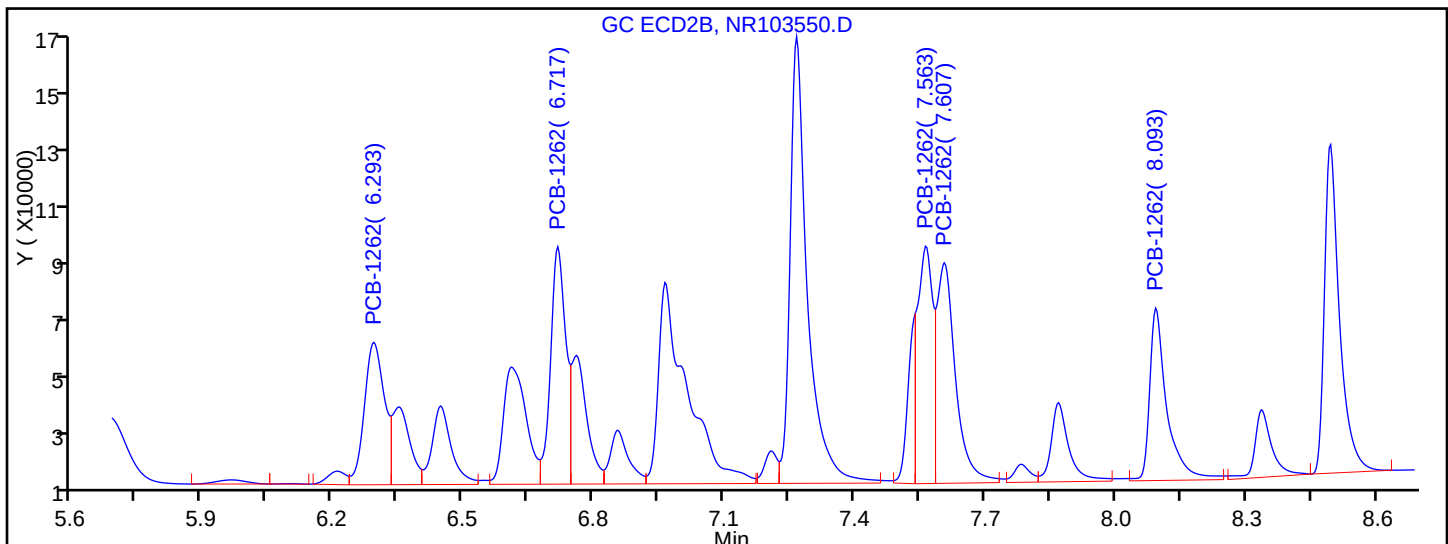
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103550.D
Injection Date: 05-Sep-2013 16:48:31 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 12
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
36 PCB-1262, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.293	Response = 196835	M
RT = 6.717	Response = 176406	M
RT = 7.563	Response = 233549	M
RT = 7.607	Response = 187408	M
RT = 8.093	Response = 144074	M



Manual Integration Results

RT = 6.293	Response = 151290	M
RT = 6.717	Response = 189800	M
RT = 7.563	Response = 186740	M
RT = 7.607	Response = 213452	M
RT = 8.093	Response = 156418	M

Reviewer: foleysont, 05-Sep-2013 18:38:53

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103551.D
 Lims ID: IC 1262 L4 Client ID:
 Inject. Date: 05-Sep-2013 17:02:15 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 460-0004323-013
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 19
 Lims Batch ID: 179853 Lims Sample ID: 13
 Sublist: chrom-608GC6*sub31
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:33 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:43:51

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

36	PCB-1262					M
1	7.297	7.297	0.0	62321	1417.8	M
1	7.737	7.737	0.0	75301	1549.8	M
1	8.233	8.233	0.0	150707	1415.0	M
1	8.557	8.557	0.0	89903	1483.3	M
1	9.083	9.083	0.0	63635	1513.7	M

Average of Peak Amounts = 1475.9

2	6.293	6.293	0.0	221421	1452.6	M
2	6.717	6.717	0.0	277598	1519.8	M
2	7.563	7.563	0.0	251235	1371.6	M
2	7.607	7.607	0.0	294708	1381.7	M
2	8.093	8.093	0.0	208066	1325.6	

Average of Peak Amounts = 1410.3

RPD = 4.55

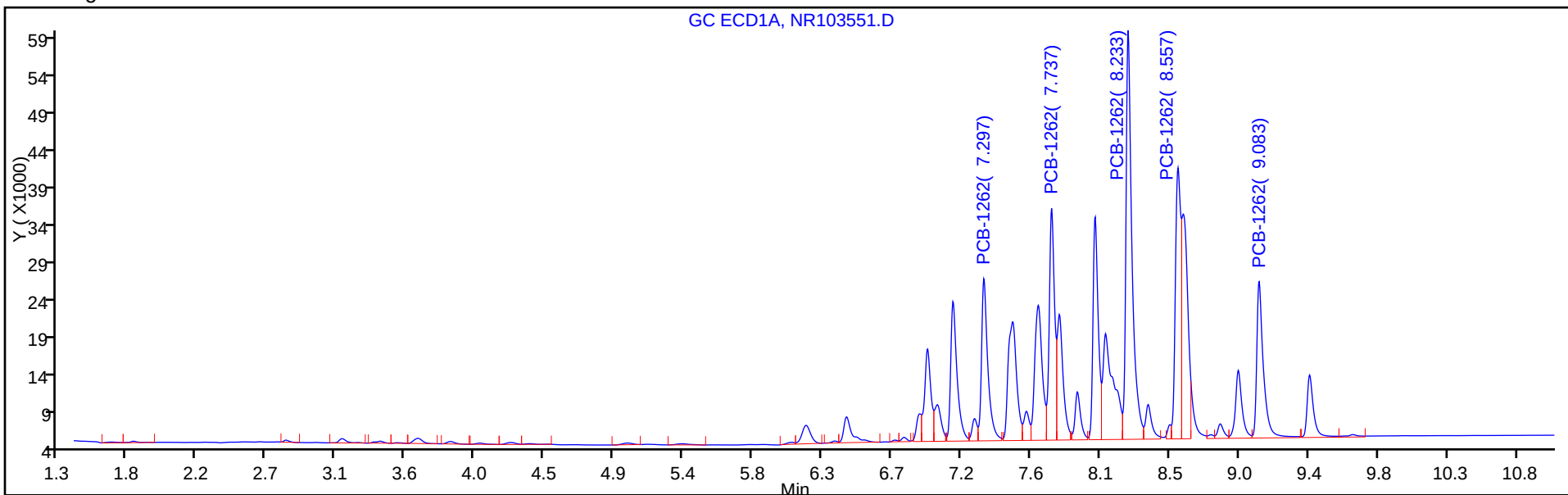
QC Flag Legend

Review Flags

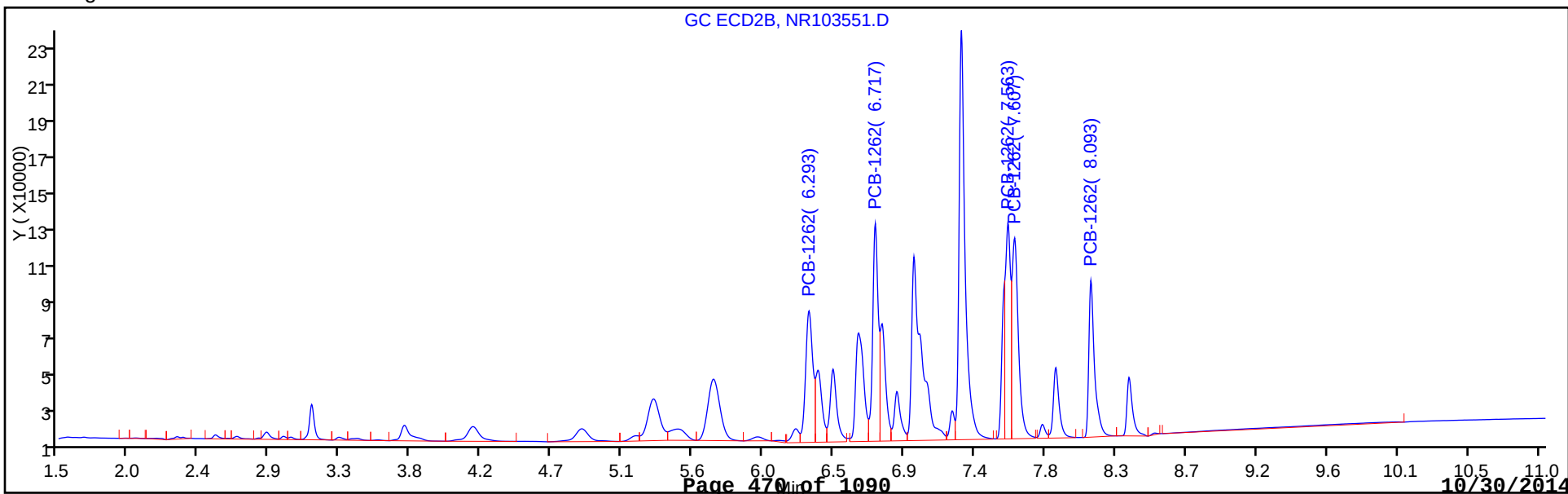
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103551.D
Injection Date: 05-Sep-2013 17:02:15 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 13
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

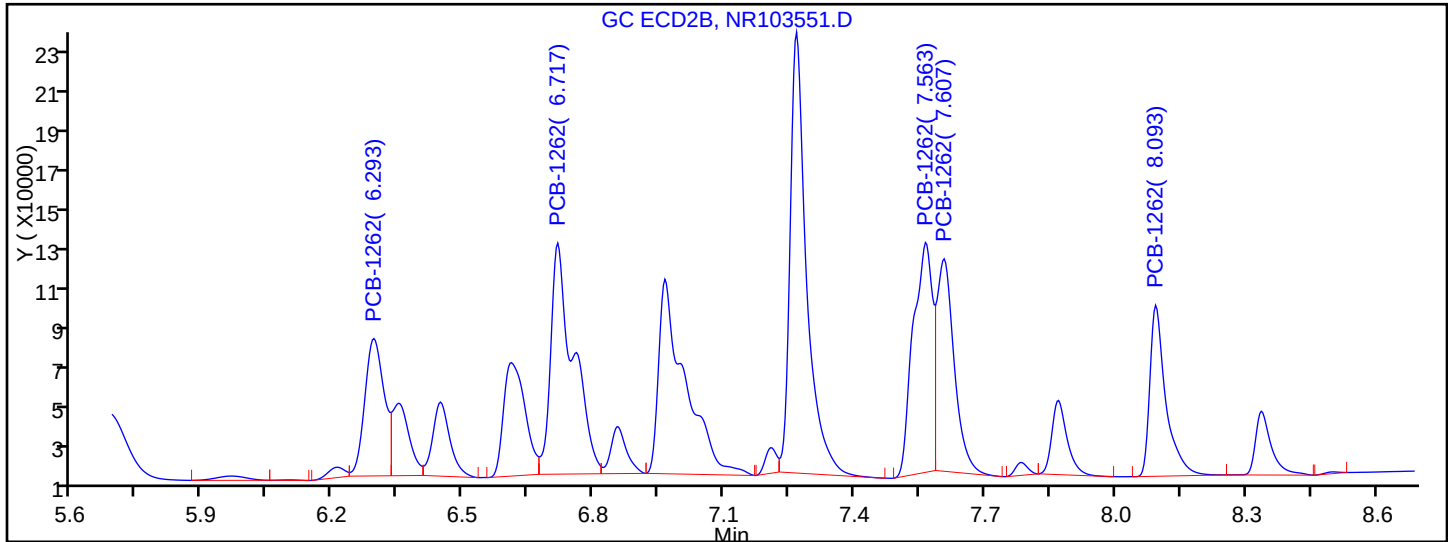


Y Scaling:



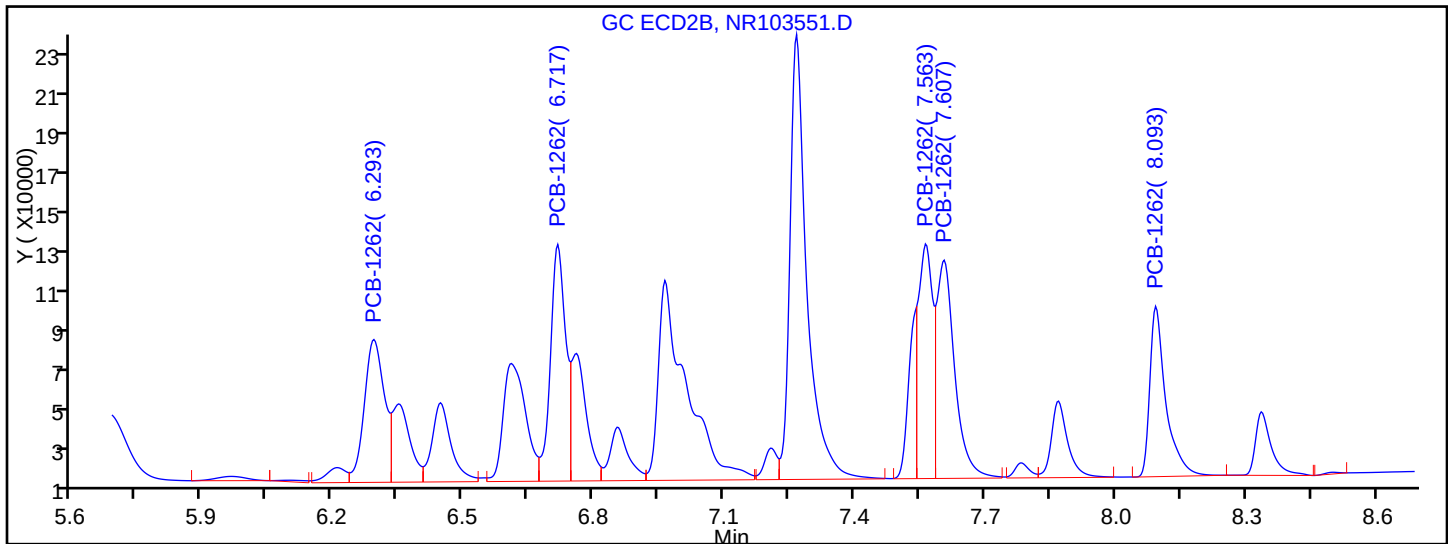
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103551.D
Injection Date: 05-Sep-2013 17:02:15 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 13
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
36 PCB-1262, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.293	Response = 204601	M
RT = 6.717	Response = 396150	M
RT = 7.563	Response = 342792	M
RT = 7.607	Response = 275751	M
RT = 8.093	Response = 208066	



Manual Integration Results

RT = 6.293	Response = 221421	M
RT = 6.717	Response = 277598	M
RT = 7.563	Response = 251235	M
RT = 7.607	Response = 294708	M
RT = 8.093	Response = 208066	

Reviewer: foleysont, 05-Sep-2013 18:43:51

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103552.D
 Lims ID: IC 1262 L5 Client ID:
 Inject. Date: 05-Sep-2013 17:15:49 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 460-0004323-014
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 20
 Lims Batch ID: 179853 Lims Sample ID: 14
 Sublist: chrom-608GC6*sub31
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:34 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:44:28

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

36 PCB-1262 M

1	7.297	7.297	0.0	100174	2279.0	M
1	7.737	7.737	0.0	115787	2442.2	M
1	8.233	8.233	0.0	242532	2277.1	M
1	8.557	8.557	0.0	145907	2477.5	M
1	9.080	9.083	-0.003	100145	2382.2	M

Average of Peak Amounts = 2371.6

2	6.293	6.293	0.0	349921	2295.6	M
2	6.717	6.717	0.0	445944	2476.9	M
2	7.563	7.563	0.0	415505	2268.5	M
2	7.607	7.607	0.0	500784	2347.9	M
2	8.093	8.093	0.0	384853	2452.0	M

Average of Peak Amounts = 2368.2

RPD = 0.14

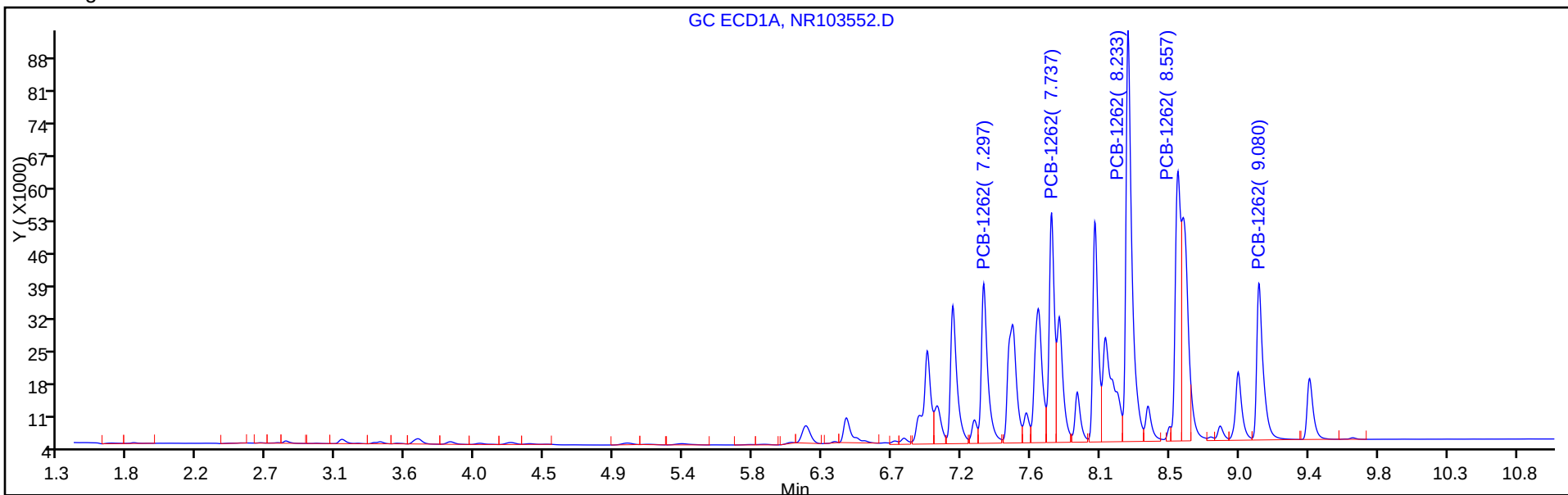
QC Flag Legend

Review Flags

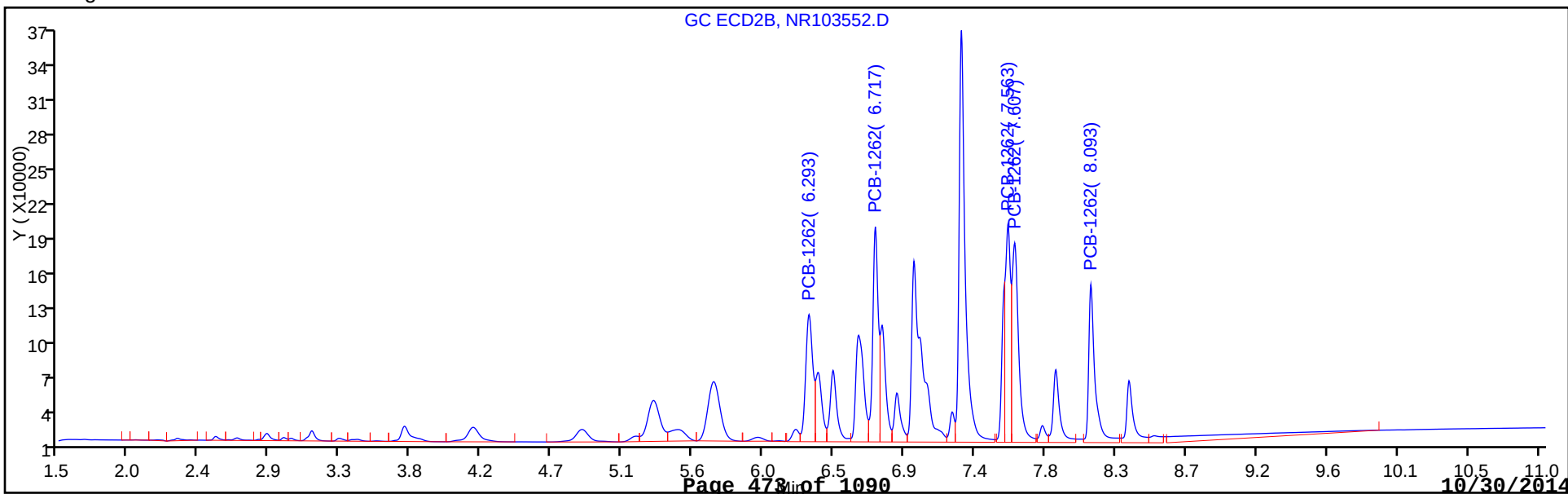
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103552.D
Injection Date: 05-Sep-2013 17:15:49 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 14
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

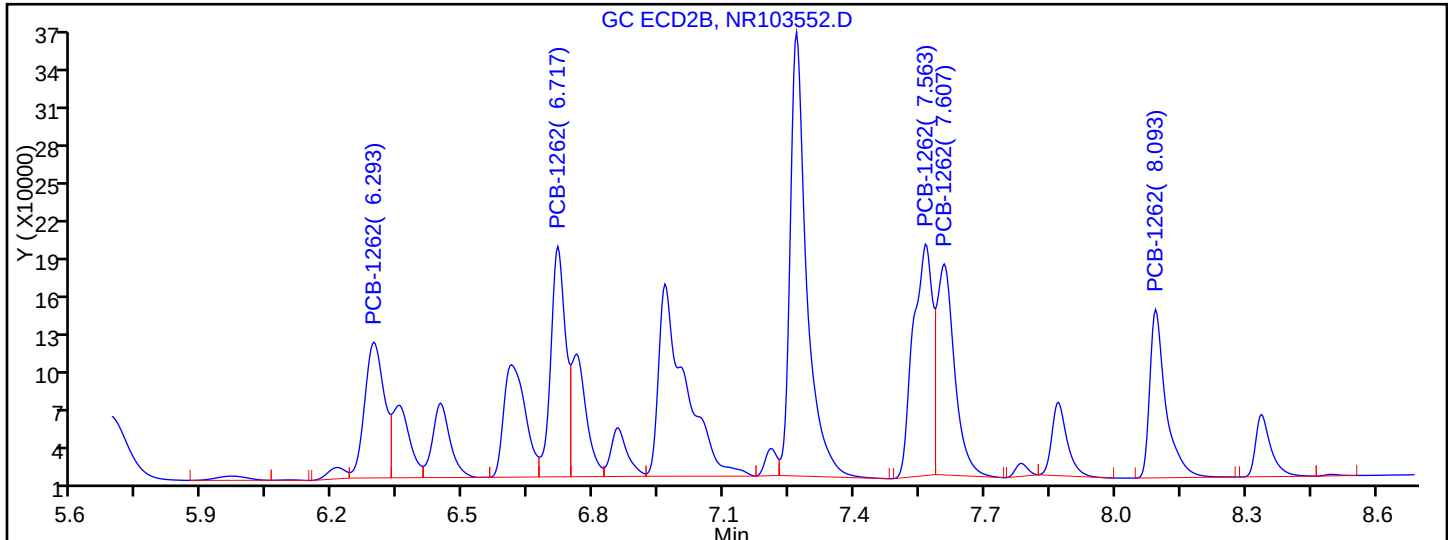


Y Scaling:



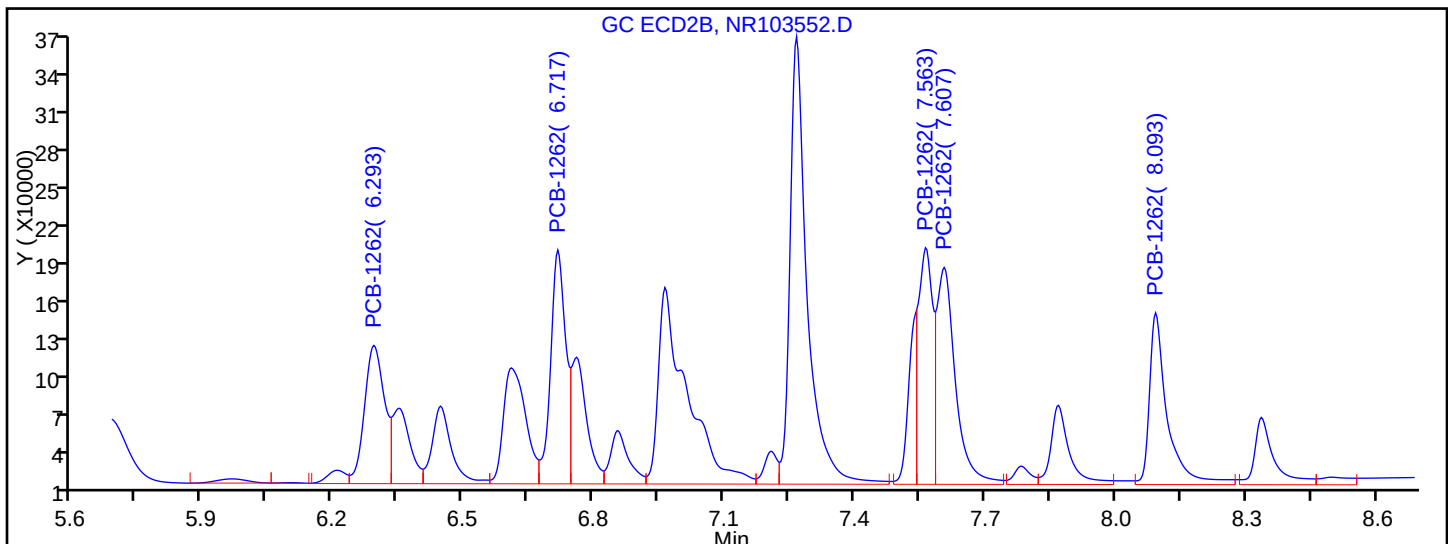
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103552.D
Injection Date: 05-Sep-2013 17:15:49 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 14
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
36 PCB-1262, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.293	Response = 336604	M
RT = 6.717	Response = 431234	M
RT = 7.563	Response = 563989	M
RT = 7.607	Response = 460331	M
RT = 8.093	Response = 338126	M



Manual Integration Results

RT = 6.293	Response = 349921	M
RT = 6.717	Response = 445944	M
RT = 7.563	Response = 415505	M
RT = 7.607	Response = 500784	M
RT = 8.093	Response = 384853	M

Reviewer: foleysont, 05-Sep-2013 18:44:28

Audit Action: Assigned New Baseline

Audit Reason: Wrong Peak

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 17:29 Calibration End Date: 09/05/2013 18:26 Calibration ID: 29081

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/15	NR103553.D
Level 2	IC 460-179853/16	NR103554.D
Level 3	IC 460-179853/17	NR103555.D
Level 4	IC 460-179853/18	NR103556.D
Level 5	IC 460-179853/19	NR103557.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1268 Peak 1	8.580	8.583	8.580	8.583	8.553						8.480 - 8.680	8.576
PCB-1268 Peak 2	8.620	8.623	8.623	8.627	8.593						8.523 - 8.723	8.617
PCB-1268 Peak 3	8.853	8.853	8.853	8.857	8.830						8.753 - 8.953	8.849
PCB-1268 Peak 4	9.107	9.107	9.107	9.110	9.083						9.007 - 9.207	9.103
PCB-1268 Peak 5	9.430	9.430	9.430	9.433	9.410						9.330 - 9.530	9.427

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 17:29 Calibration End Date: 09/05/2013 18:26 Calibration ID: 29081

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/15	NR103553.D
Level 2	IC 460-179853/16	NR103554.D
Level 3	IC 460-179853/17	NR103555.D
Level 4	IC 460-179853/18	NR103556.D
Level 5	IC 460-179853/19	NR103557.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 3	LVL 4		B	M1	M2								
PCB-1268 Peak 1	114.60 83.088	90.626	87.520	84.319	Lin	3479.49749	82.0472996							1.0000		0.9900
PCB-1268 Peak 2	166.10 129.72	152.81	143.22	140.75	Ave		146.518520				9.3		10.0			
PCB-1268 Peak 3	123.30 87.977	99.676	94.591	92.303	Lin	5267.75543	86.9641843							0.9990		0.9900
PCB-1268 Peak 4	49.200 41.778	44.058	44.200	43.573	Ave		44.5617333				6.2		10.0			
PCB-1268 Peak 5	391.34 282.75	328.35	309.38	300.03	Lin	20015.3831	279.270646							0.9980		0.9900

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 Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 17:29 Calibration End Date: 09/05/2013 18:26 Calibration ID: 29081

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/15	NR103553.D
Level 2	IC 460-179853/16	NR103554.D
Level 3	IC 460-179853/17	NR103555.D
Level 4	IC 460-179853/18	NR103556.D
Level 5	IC 460-179853/19	NR103557.D

ANALYTE	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
PCB-1268 Peak 1	Lin	5730	45313	87520	126478	207719	50.0	500	1000	1500	2500
PCB-1268 Peak 2	Ave	8305	76403	143223	211119	324294	50.0	500	1000	1500	2500
PCB-1268 Peak 3	Lin	6165	49838	94591	138454	219942	50.0	500	1000	1500	2500
PCB-1268 Peak 4	Ave	2460	22029	44200	65359	104445	50.0	500	1000	1500	2500
PCB-1268 Peak 5	Lin	19567	164173	309380	450045	706864	50.0	500	1000	1500	2500

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103553.D
 Lims ID: IC 1268 L1 Client ID:
 Inject. Date: 05-Sep-2013 17:29:34 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 460-0004323-015
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 21
 Lims Batch ID: 179853 Lims Sample ID: 15
 Sublist: chrom-608GC6*sub32
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:34 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:44:56

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

42 PCB-1268 M
 1 8.580 8.580 0.0 5730 27.4 M
 1 8.620 8.623 -0.003 8305 56.7 M
 1 8.853 8.853 0.0 6165 10.3
 1 9.107 9.107 0.0 2460 55.2
 1 9.430 9.430 0.0 19567 -1.61

Average of Peak Amounts = 29.6

2 7.570 7.570 0.0 20400 -0.6684
 2 7.603 7.603 0.0 34519 -17.4 M
 2 7.787 7.787 0.0 22587 -12.6 M
 2 8.107 8.103 0.004 9330 -21.9
 2 8.357 8.357 0.0 68156 -2.14

Average of Peak Amounts = -10.9

RPD = 434.74

QC Flag Legend

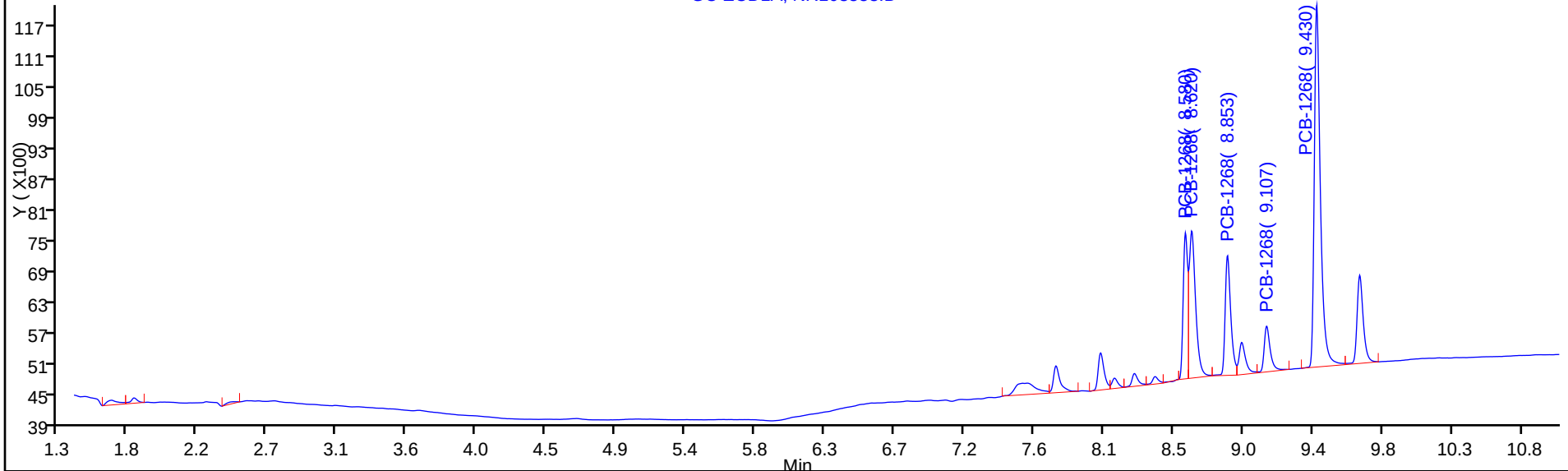
Review Flags

M - Manually Integrated

TestAmerica Edison

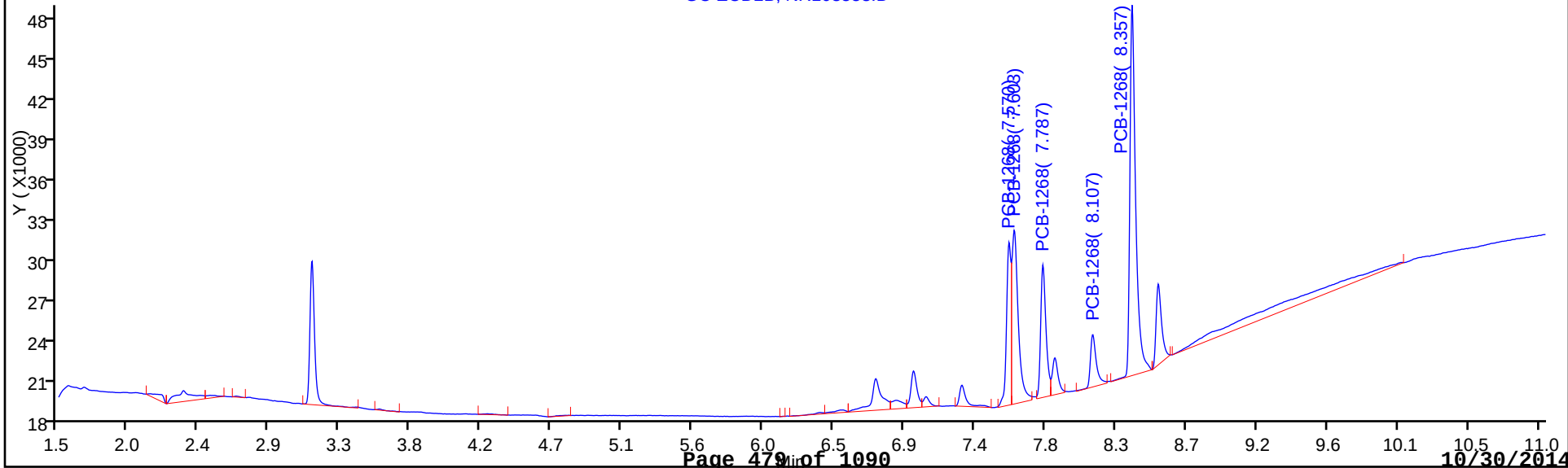
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Injection Date: 05-Sep-2013 17:29:34 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 15
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

GC ECD1A, NR103553.D



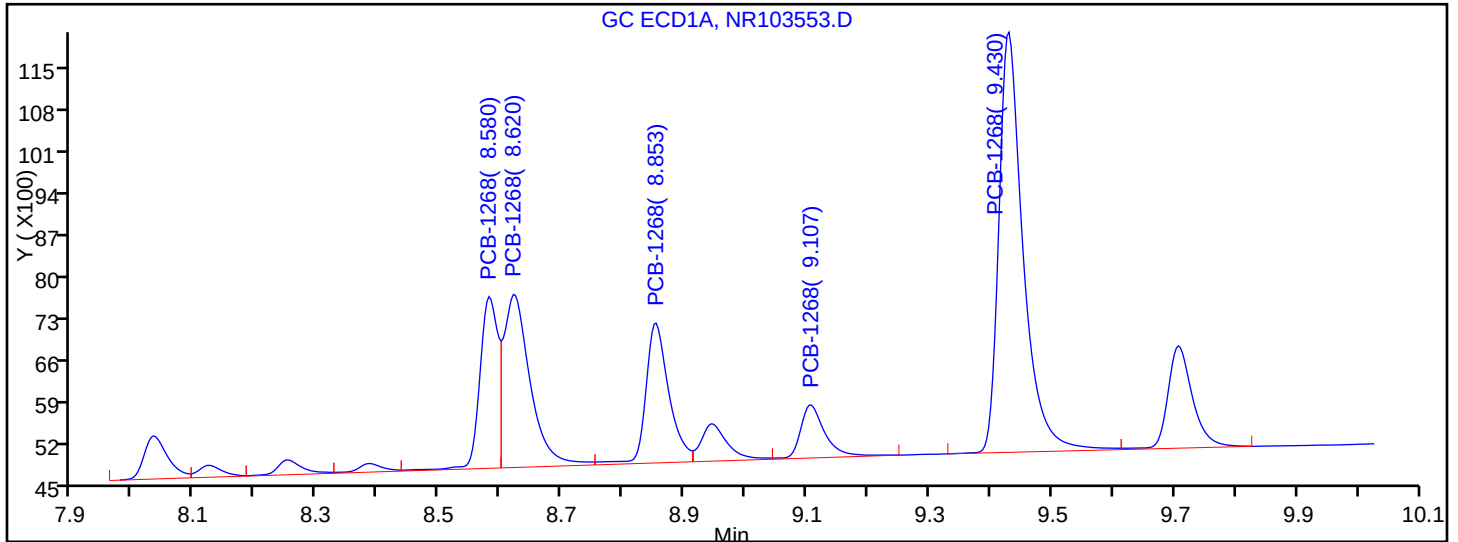
Y Scaling:

GC ECD2B, NR103553.D



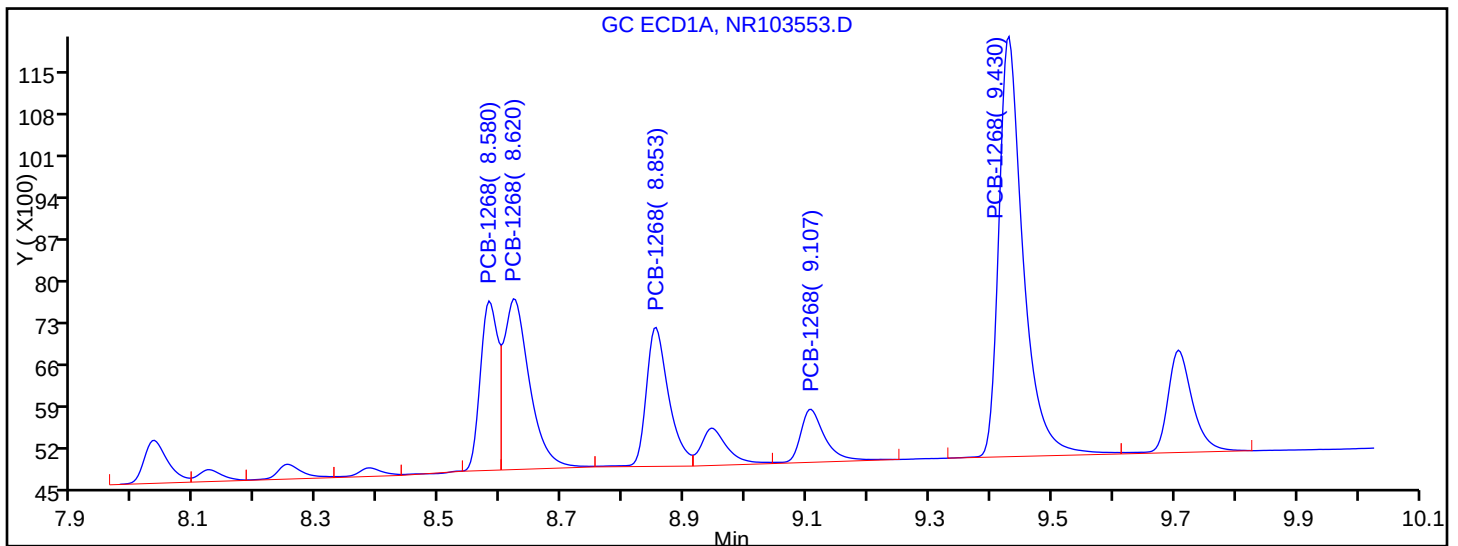
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103553.D
Injection Date: 05-Sep-2013 17:29:34 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 15
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
42 PCB-1268, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.580	Response = 5996	M
RT = 8.620	Response = 8660	M
RT = 8.853	Response = 6165	
RT = 9.107	Response = 2460	
RT = 9.430	Response = 19567	



Manual Integration Results

RT = 8.580	Response = 5730	M
RT = 8.620	Response = 8305	M
RT = 8.853	Response = 6165	
RT = 9.107	Response = 2460	
RT = 9.430	Response = 19567	

Reviewer: foleysont, 05-Sep-2013 18:48:06

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103554.D
 Lims ID: IC 1268 L2 Client ID:
 Inject. Date: 05-Sep-2013 17:43:39 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 460-0004323-016
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 22
 Lims Batch ID: 179853 Lims Sample ID: 16
 Sublist: chrom-608GC6*sub32
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:35 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:45:10

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

42	PCB-1268					M
1	8.583	8.580	0.003	45313	509.9	M
1	8.623	8.623	0.0	76403	521.5	
1	8.853	8.853	0.0	49838	512.5	
1	9.107	9.107	0.0	22029	494.3	
1	9.430	9.430	0.0	164173	516.2	
	Average of Peak Amounts =				510.9	
2	7.570	7.570	0.0	181211	524.6	M
2	7.603	7.603	0.0	287988	529.9	M
2	7.787	7.787	0.0	190447	522.4	M
2	8.103	8.103	0.0	89104	540.5	M
2	8.357	8.357	0.0	535642	524.4	
	Average of Peak Amounts =				528.4	
RPD = 3.36						

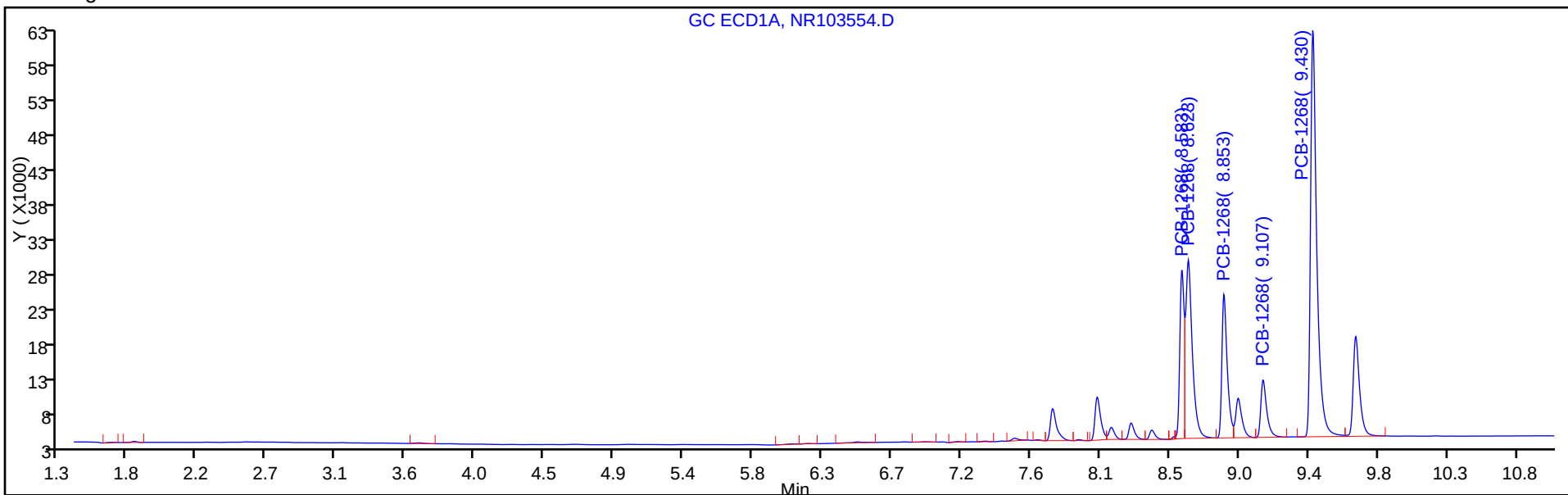
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Review Flags

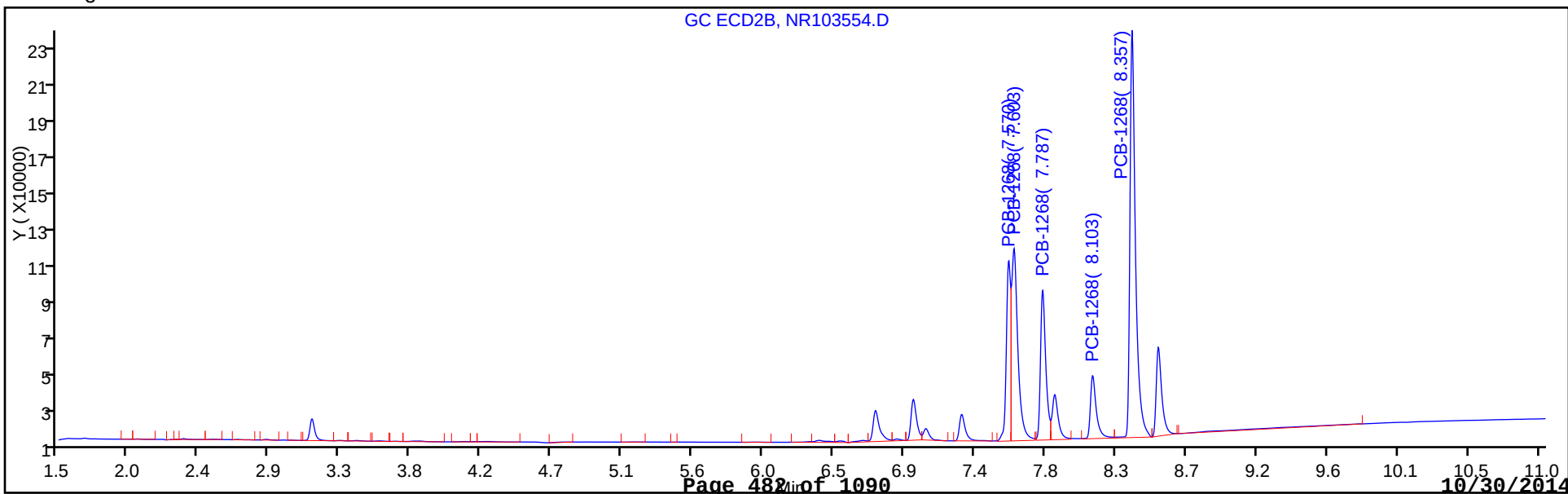
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103554.D
Injection Date: 05-Sep-2013 17:43:39 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 16
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

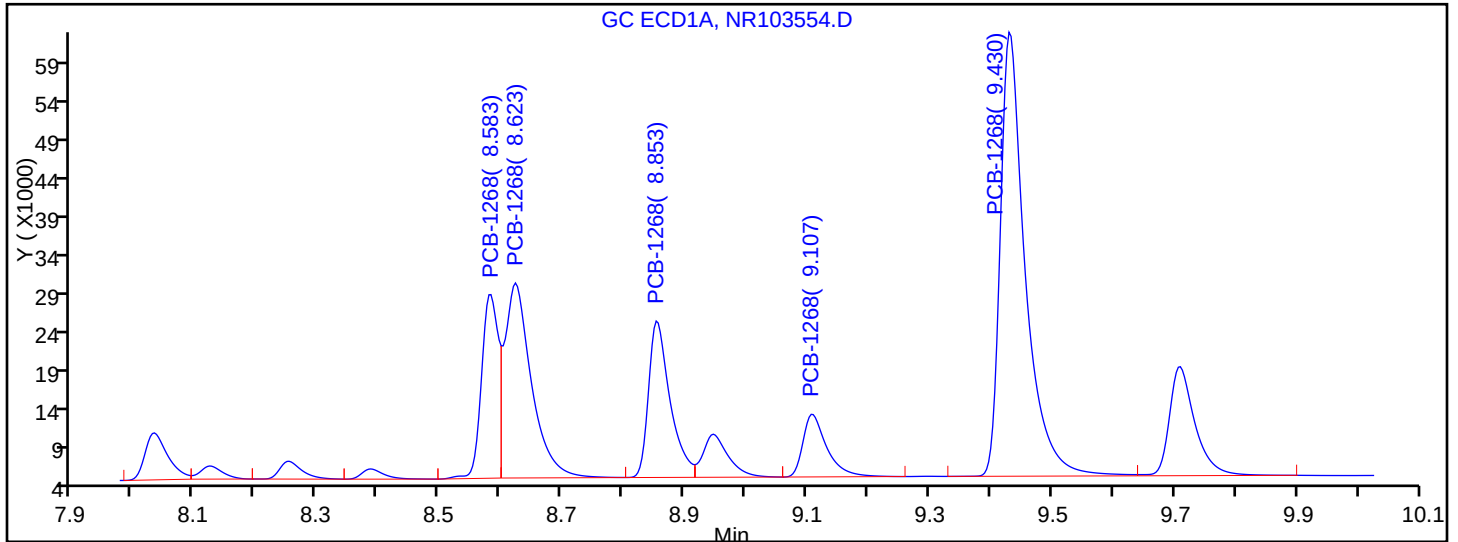


Y Scaling:



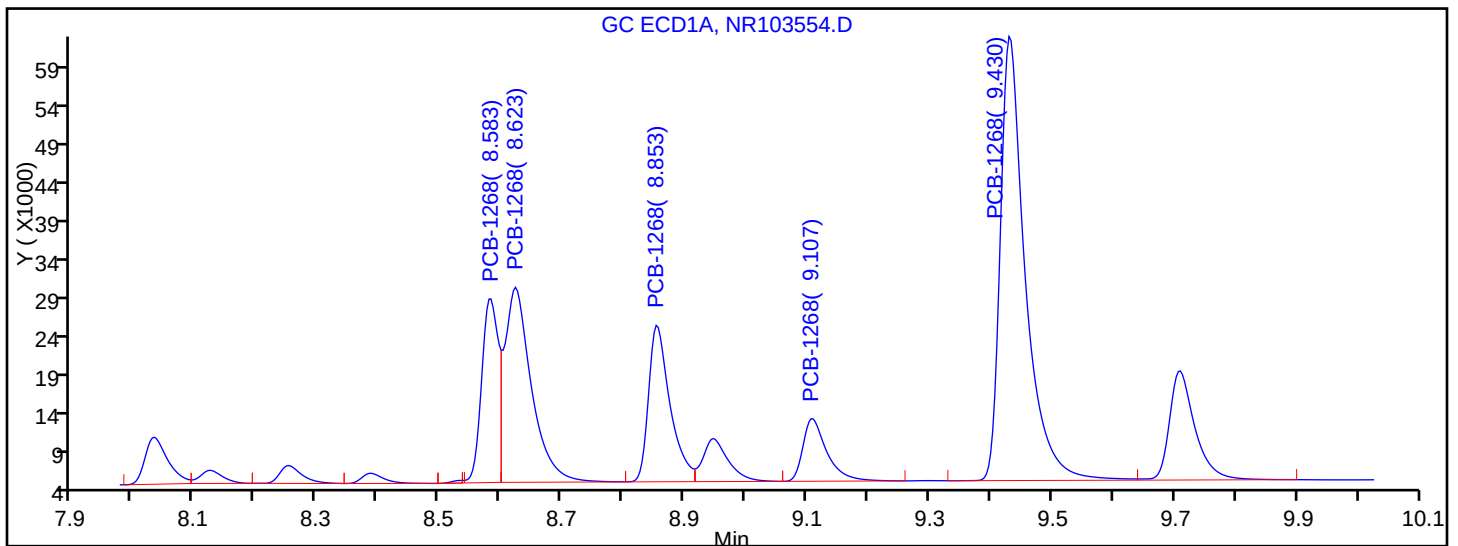
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103554.D
Injection Date: 05-Sep-2013 17:43:39 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 16
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
42 PCB-1268, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.583	Response = 45775	M
RT = 8.623	Response = 76403	
RT = 8.853	Response = 49838	
RT = 9.107	Response = 22029	
RT = 9.430	Response = 164173	



Manual Integration Results

RT = 8.583	Response = 45313	M
RT = 8.623	Response = 76403	
RT = 8.853	Response = 49838	
RT = 9.107	Response = 22029	
RT = 9.430	Response = 164173	

Reviewer: foleysont, 05-Sep-2013 18:48:21

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103555.D
 Lims ID: IC 1268 L3 Client ID:
 Inject. Date: 05-Sep-2013 17:57:52 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 460-0004323-017
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 23
 Lims Batch ID: 179853 Lims Sample ID: 17
 Sublist: chrom-608GC6*sub32
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:36 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:45:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

42	PCB-1268					M
1	8.580	8.580	0.0	87520	1024.3	M
1	8.623	8.623	0.0	143223	977.5	
1	8.853	8.853	0.0	94591	1027.1	
1	9.107	9.107	0.0	44200	991.9	
1	9.430	9.430	0.0	309380	1036.1	
	Average of Peak Amounts =				1011.4	
2	7.570	7.570	0.0	330931	1013.7	M
2	7.603	7.603	0.0	512441	1014.5	M
2	7.787	7.787	0.0	347640	1023.3	M
2	8.103	8.103	0.0	156300	1014.3	
2	8.357	8.357	0.0	968298	1011.7	
	Average of Peak Amounts =				1015.5	
RPD =						0.41

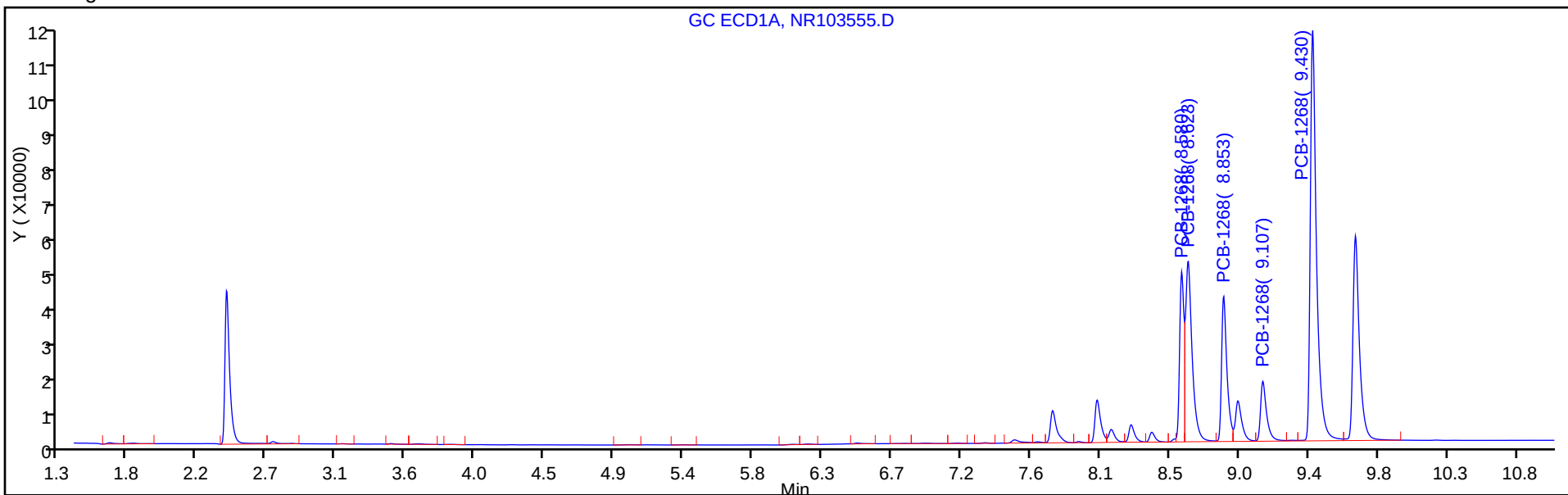
QC Flag Legend

Review Flags

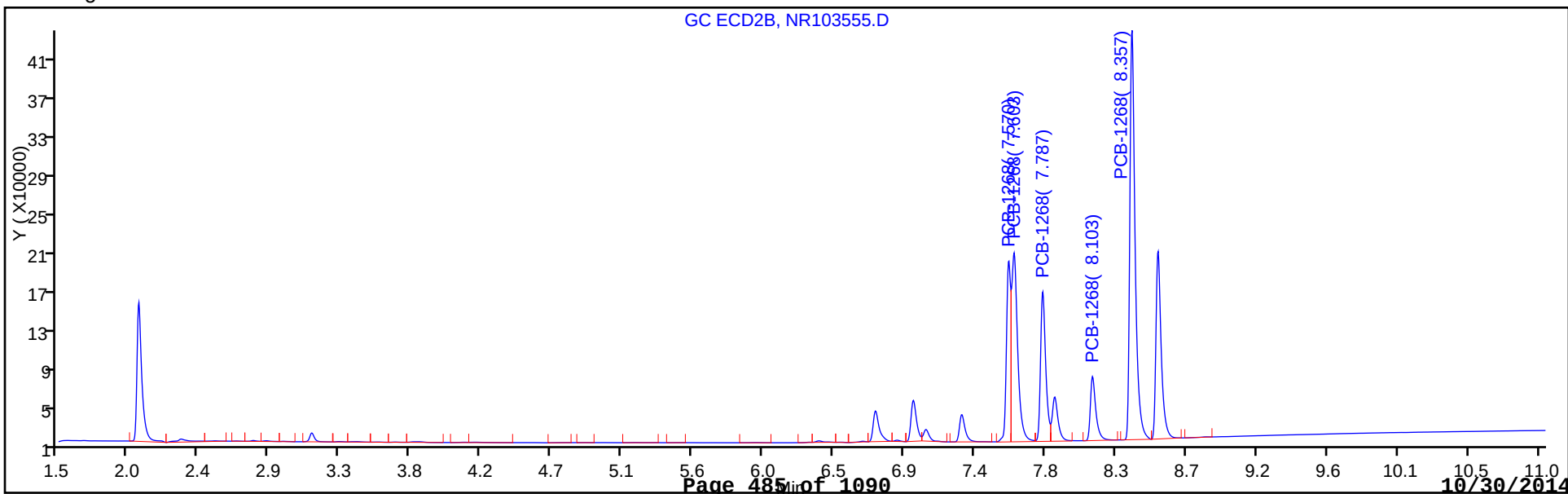
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103555.D
Injection Date: 05-Sep-2013 17:57:52 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 17
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



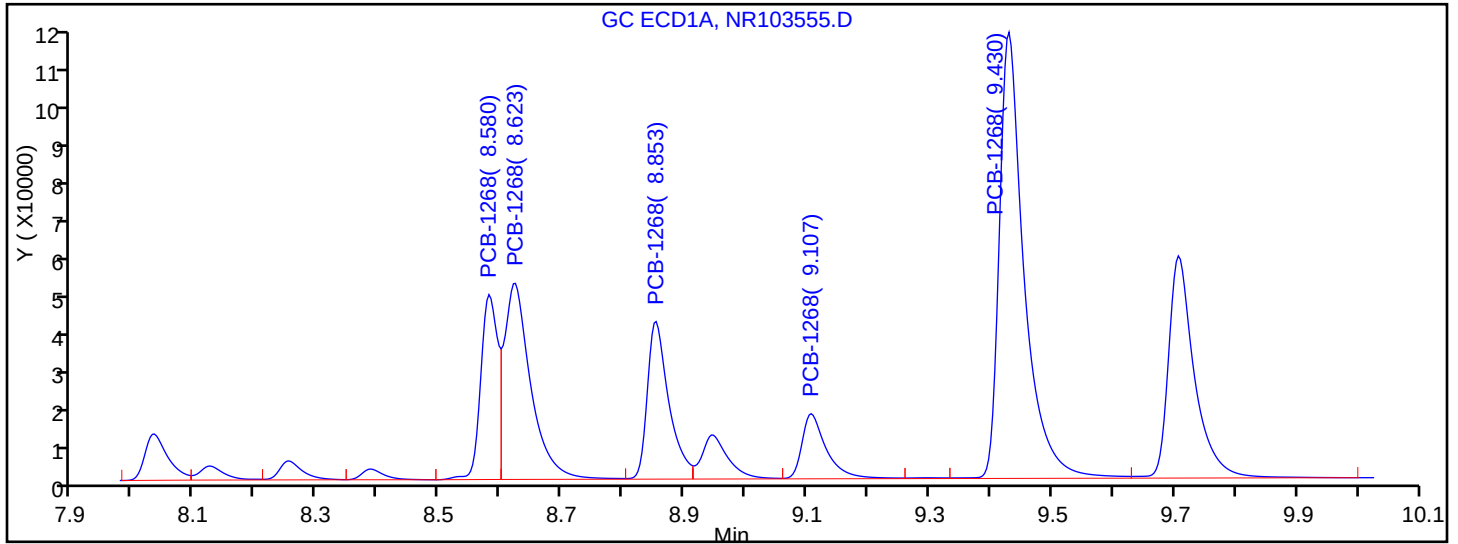
Y Scaling:



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103555.D
Injection Date: 05-Sep-2013 17:57:52 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 17
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

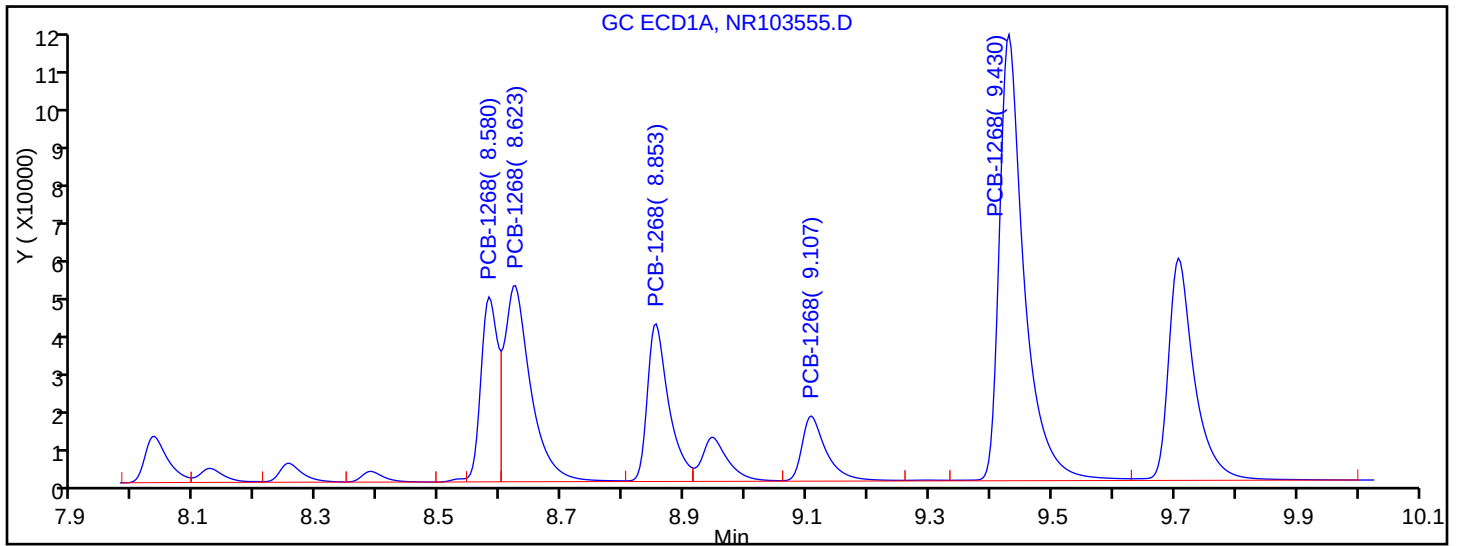
42 PCB-1268, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.580	Response = 88767
RT = 8.623	Response = 143223
RT = 8.853	Response = 94591
RT = 9.107	Response = 44200
RT = 9.430	Response = 309380

M



Manual Integration Results

RT = 8.580	Response = 87520
RT = 8.623	Response = 143223
RT = 8.853	Response = 94591
RT = 9.107	Response = 44200
RT = 9.430	Response = 309380

M

Reviewer: foleysont, 05-Sep-2013 18:48:33

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103556.D
 Lims ID: IC 1268 L4 Client ID:
 Inject. Date: 05-Sep-2013 18:12:05 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 460-0004323-018
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 24
 Lims Batch ID: 179853 Lims Sample ID: 18
 Sublist: chrom-608GC6*sub32
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:36 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:45:44

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

42 PCB-1268 M

1 8.583 8.580 0.003 126478 1499.1 M

1 8.627 8.623 0.004 211119 1440.9

1 8.857 8.853 0.004 138454 1531.5

1 9.110 9.107 0.003 65359 1466.7

1 9.433 9.430 0.003 450045 1539.8

Average of Peak Amounts = 1495.6

2 7.570 7.570 0.0 496404 1554.3 M

2 7.603 7.603 0.0 775984 1583.6 M

2 7.787 7.787 0.0 520341 1573.7 M

2 8.107 8.103 0.004 235645 1573.7

2 8.360 8.357 0.003 1456455 1561.5

Average of Peak Amounts = 1569.3

RPD = 4.81

QC Flag Legend

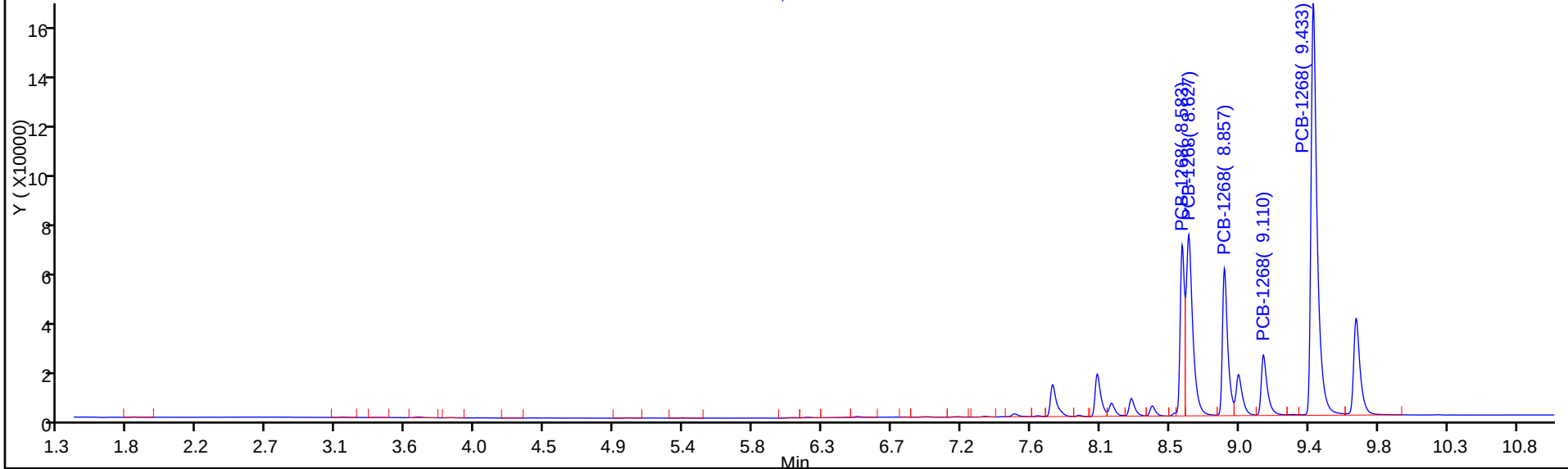
Review Flags

M - Manually Integrated

TestAmerica Edison

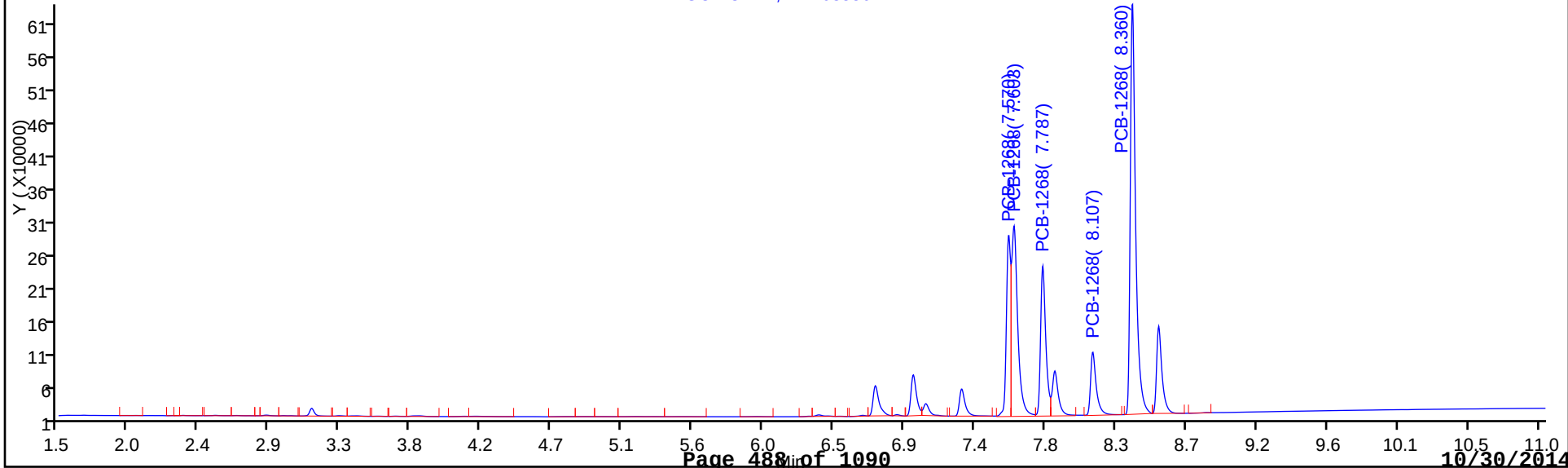
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Injection Date: 05-Sep-2013 18:12:05 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 18
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

GC ECD1A, NR103556.D



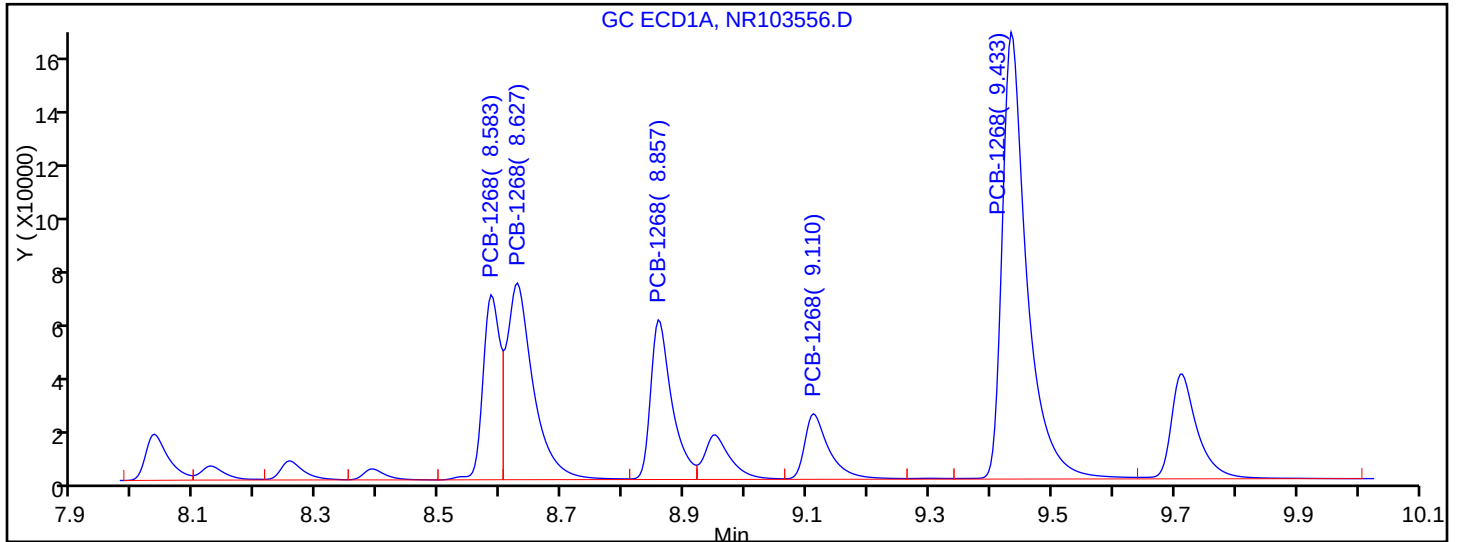
Y Scaling:

GC ECD2B, NR103556.D



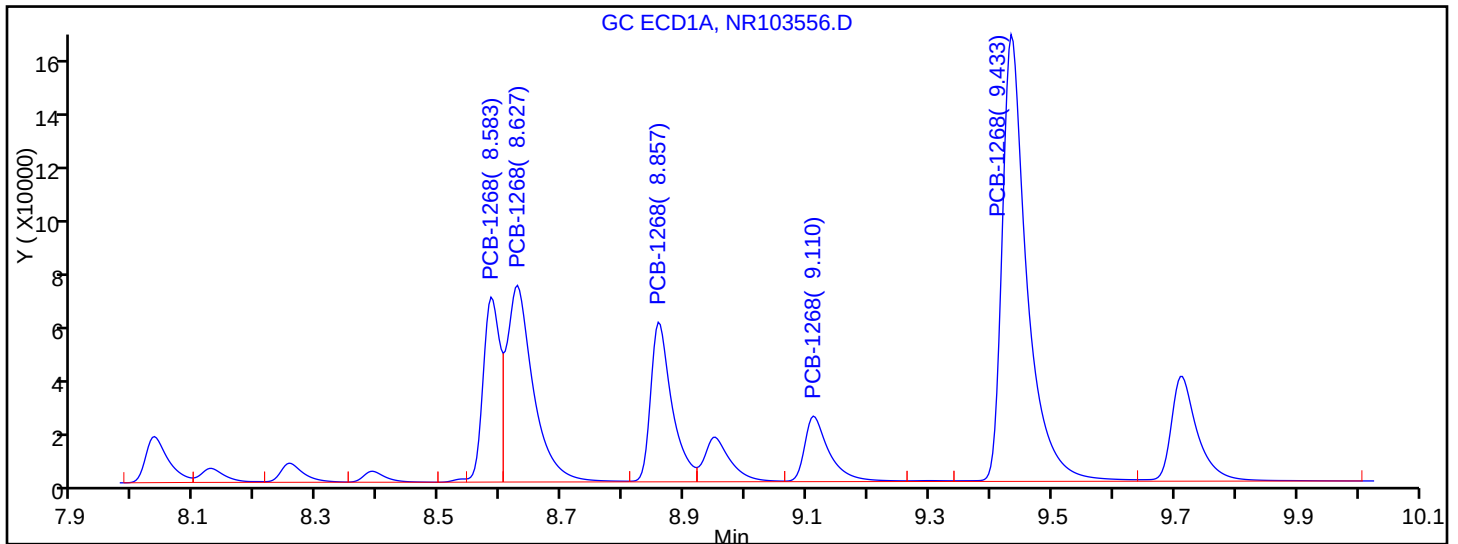
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103556.D
Injection Date: 05-Sep-2013 18:12:05 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 18
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
42 PCB-1268, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.583	Response = 128063	M
RT = 8.627	Response = 211119	
RT = 8.857	Response = 138454	
RT = 9.110	Response = 65359	
RT = 9.433	Response = 450045	



Manual Integration Results

RT = 8.583	Response = 126478	M
RT = 8.627	Response = 211119	
RT = 8.857	Response = 138454	
RT = 9.110	Response = 65359	
RT = 9.433	Response = 450045	

Reviewer: foleysont, 05-Sep-2013 18:48:43

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Lims ID: IC 1268 L5 Client ID:
 Inject. Date: 05-Sep-2013 18:26:25 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 460-0004323-019
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 25
 Lims Batch ID: 179853 Lims Sample ID: 19
 Sublist: chrom-608GC6*sub32
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:37 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:46:09

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
42 PCB-1268						M
1	8.553	8.580	-0.027	207719	2489.3	M
1	8.593	8.623	-0.030	324294	2213.3	a
1	8.830	8.853	-0.023	219942	2468.5	
1	9.083	9.107	-0.024	104445	2343.8	
1	9.410	9.430	-0.020	706864	2459.4	
Average of Peak Amounts =					2394.9	
2	7.570	7.570	0.0	773071	2458.0	
2	7.603	7.603	0.0	1172293	2439.4	M
2	7.783	7.787	-0.004	793204	2443.3	M
2	8.093	8.103	-0.010	359002	2443.4	
2	8.337	8.357	-0.020	2249443	2454.6	
Average of Peak Amounts =					2447.7	
RPD = 2.18						

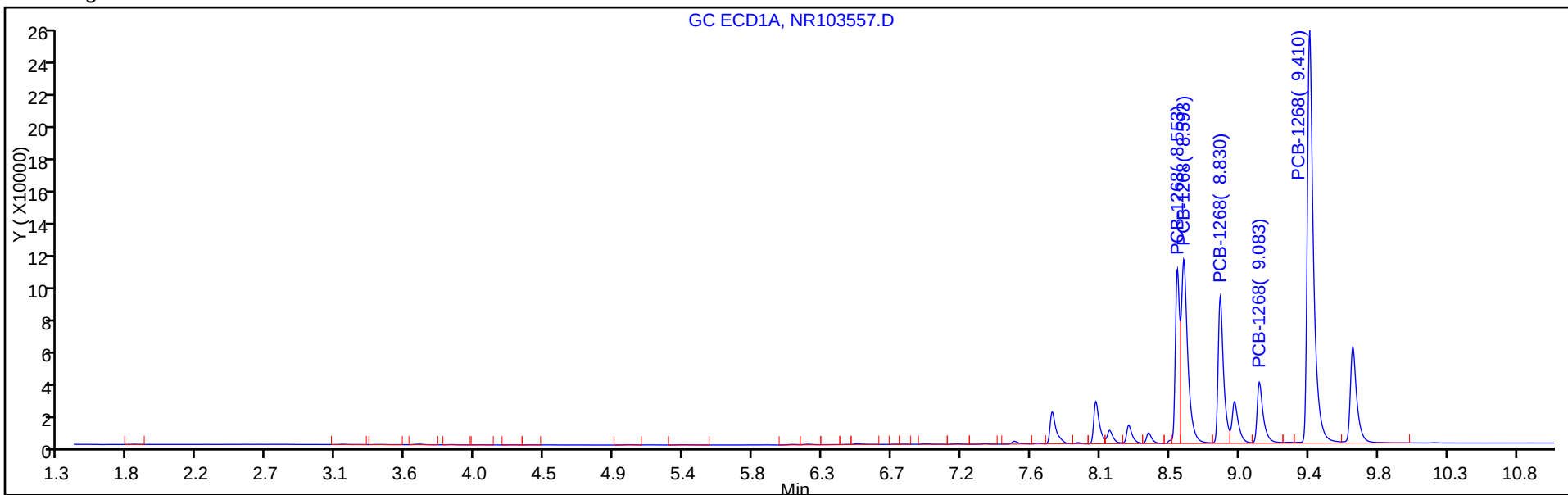
QC Flag Legend

Review Flags

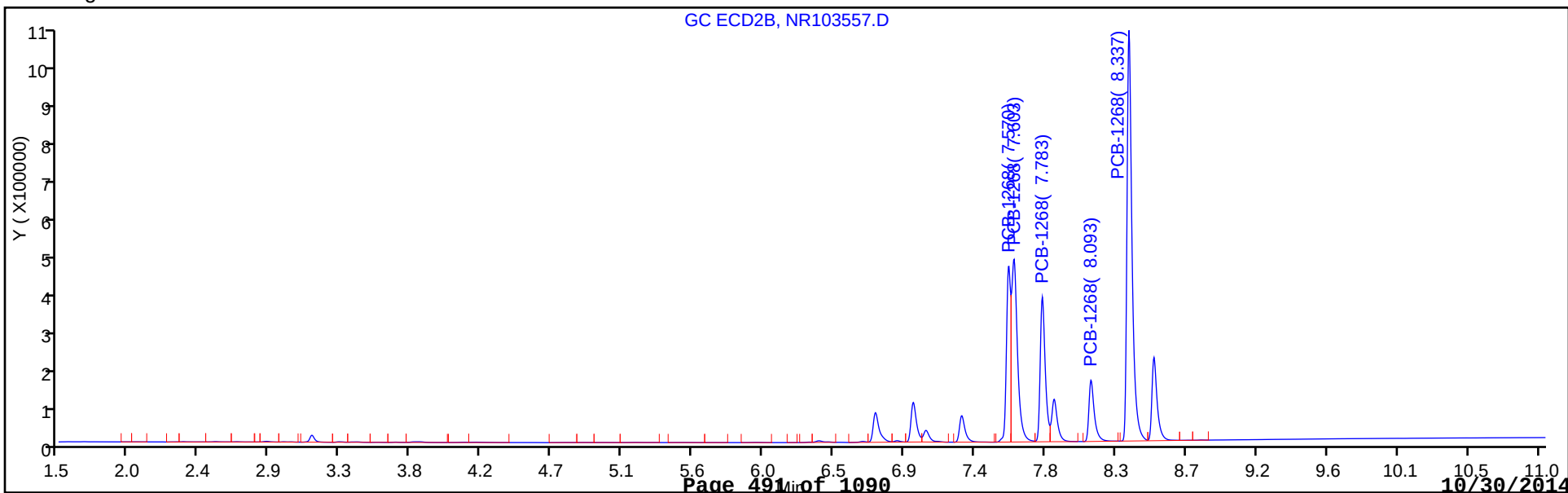
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
Injection Date: 05-Sep-2013 18:26:25 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 19
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

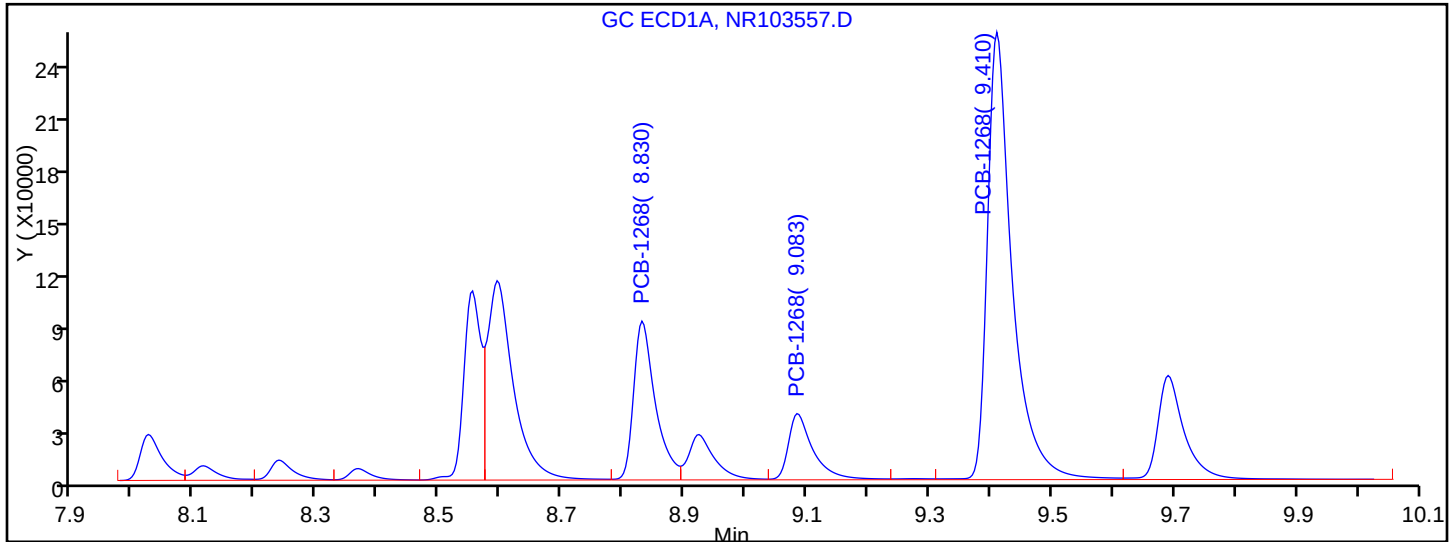


Y Scaling:



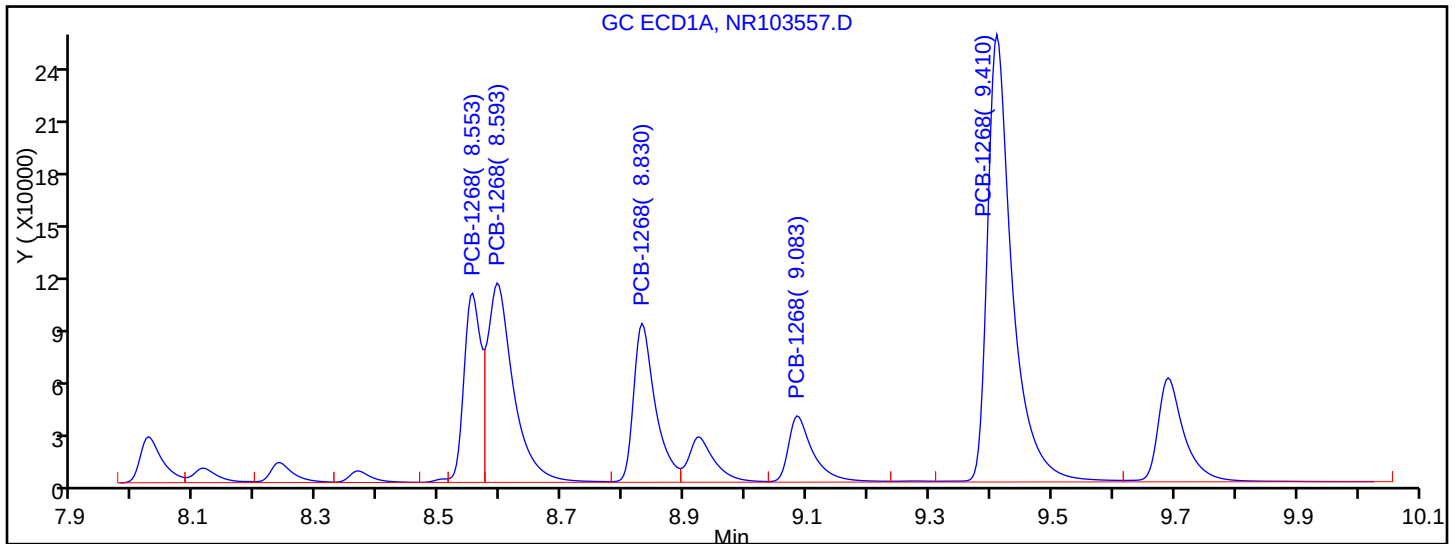
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
Injection Date: 05-Sep-2013 18:26:25 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 19
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
42 PCB-1268, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.593	Response = 324294	M
RT = 0.000	Response = 0	M
RT = 8.830	Response = 219942	
RT = 9.083	Response = 104445	
RT = 9.410	Response = 706864	



Manual Integration Results

RT = 8.553	Response = 207719	M
RT = 8.593	Response = 324294	M
RT = 8.830	Response = 219942	
RT = 9.083	Response = 104445	
RT = 9.410	Response = 706864	

Reviewer: foleysont, 05-Sep-2013 18:46:09

Audit Action: Assigned Compound ID

Audit Reason: Split Peak

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 17:29 Calibration End Date: 09/05/2013 18:26 Calibration ID: 29082

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/15	NR103553.D
Level 2	IC 460-179853/16	NR103554.D
Level 3	IC 460-179853/17	NR103555.D
Level 4	IC 460-179853/18	NR103556.D
Level 5	IC 460-179853/19	NR103557.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1268 Peak 1	7.570	7.570	7.570	7.570	7.570						7.470 - 7.670	7.570
PCB-1268 Peak 2	7.603	7.603	7.603	7.603	7.603						7.503 - 7.703	7.603
PCB-1268 Peak 3	7.787	7.787	7.787	7.787	7.783						7.687 - 7.887	7.786
PCB-1268 Peak 4	8.107	8.103	8.103	8.107	8.093						8.003 - 8.203	8.103
PCB-1268 Peak 5	8.357	8.357	8.357	8.360	8.337						8.257 - 8.457	8.354

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 17:29 Calibration End Date: 09/05/2013 18:26 Calibration ID: 29082

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/15	NR103553.D
Level 2	IC 460-179853/16	NR103554.D
Level 3	IC 460-179853/17	NR103555.D
Level 4	IC 460-179853/18	NR103556.D
Level 5	IC 460-179853/19	NR103557.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 3	LVL 4		B	M1	M2								
PCB-1268 Peak 1	408.00 309.23	362.42	330.93	330.94	Lin	20604.6098	306.125036							0.9980		0.9900
PCB-1268 Peak 2	690.38 468.92	575.98	512.44	517.32	Lin	42593.3388	463.109605							0.9950		0.9900
PCB-1268 Peak 3	451.74 317.28	380.89	347.64	346.89	Lin	26537.6478	313.789326							0.9960		0.9900
PCB-1268 Peak 4	186.60 143.60	178.21	156.30	157.10	Lin	12437.2579	141.836885							0.9960		0.9900
PCB-1268 Peak 5	1363.1 899.78	1071.3	968.30	970.97	Lin	70058.6439	887.874014							0.9970		0.9900

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 Edison Job No.: 460-83615-1 Analy Batch No.: 179853

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2013 17:29 Calibration End Date: 09/05/2013 18:26 Calibration ID: 29082

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-179853/15	NR103553.D
Level 2	IC 460-179853/16	NR103554.D
Level 3	IC 460-179853/17	NR103555.D
Level 4	IC 460-179853/18	NR103556.D
Level 5	IC 460-179853/19	NR103557.D

ANALYTE	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
PCB-1268 Peak 1	Lin	20400	181211	330931	496404	773071	50.0	500	1000	1500	2500
PCB-1268 Peak 2	Lin	34519	287988	512441	775984	1172293	50.0	500	1000	1500	2500
PCB-1268 Peak 3	Lin	22587	190447	347640	520341	793204	50.0	500	1000	1500	2500
PCB-1268 Peak 4	Lin	9330	89104	156300	235645	359002	50.0	500	1000	1500	2500
PCB-1268 Peak 5	Lin	68156	535642	968298	1456455	2249443	50.0	500	1000	1500	2500

Curve Type Legend:

Lin = Linear

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103553.D
 Lims ID: IC 1268 L1 Client ID:
 Inject. Date: 05-Sep-2013 17:29:34 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: 460-0004323-015
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 21
 Lims Batch ID: 179853 Lims Sample ID: 15
 Sublist: chrom-608GC6*sub32
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:34 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:44:56

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

42 PCB-1268 M
 1 8.580 8.580 0.0 5730 27.4 M
 1 8.620 8.623 -0.003 8305 56.7 M
 1 8.853 8.853 0.0 6165 10.3
 1 9.107 9.107 0.0 2460 55.2
 1 9.430 9.430 0.0 19567 -1.61

Average of Peak Amounts = 29.6

2 7.570 7.570 0.0 20400 -0.6684
 2 7.603 7.603 0.0 34519 -17.4 M
 2 7.787 7.787 0.0 22587 -12.6 M
 2 8.107 8.103 0.004 9330 -21.9
 2 8.357 8.357 0.0 68156 -2.14

Average of Peak Amounts = -10.9

RPD = 434.74

QC Flag Legend

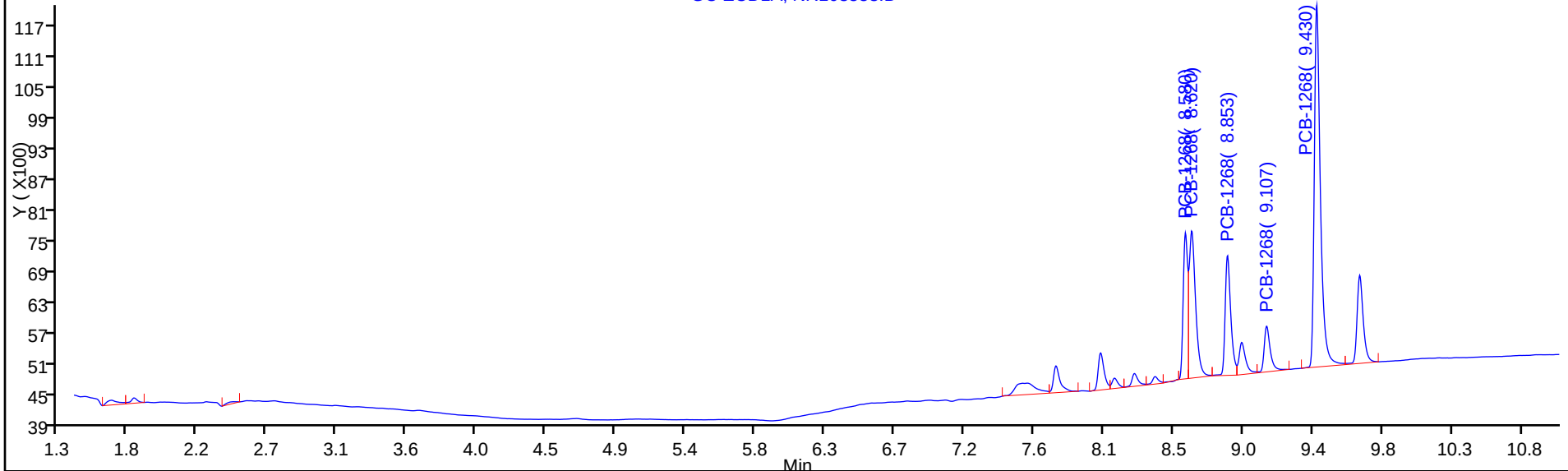
Review Flags

M - Manually Integrated

TestAmerica Edison

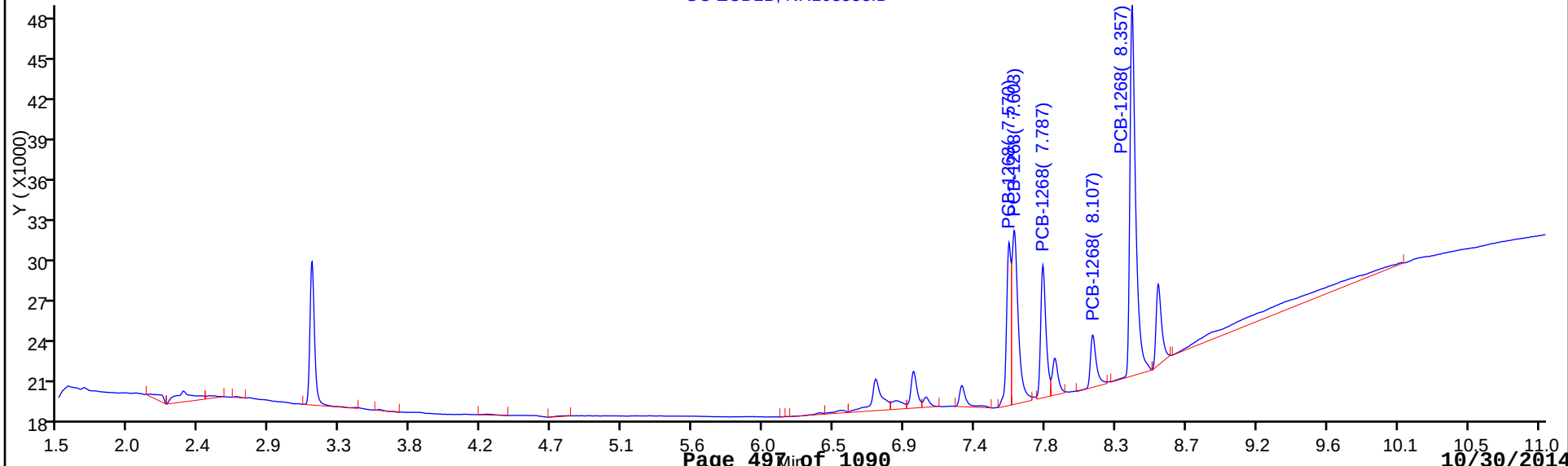
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Injection Date: 05-Sep-2013 17:29:34 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 15
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

GC ECD1A, NR103553.D



Y Scaling:

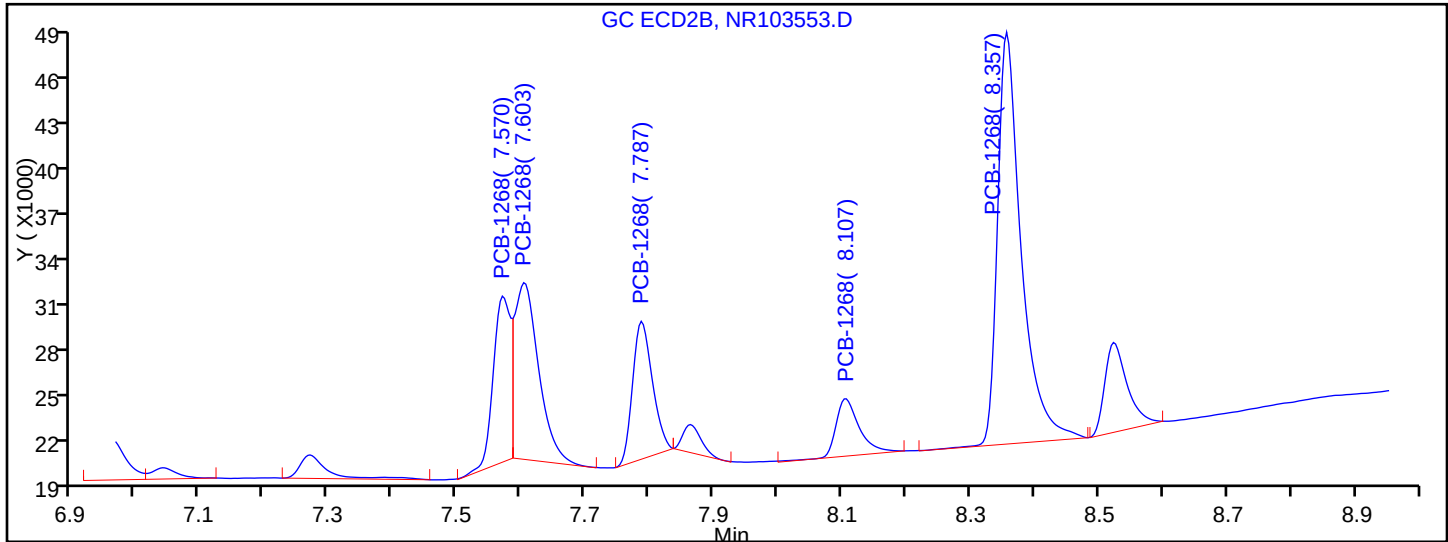
GC ECD2B, NR103553.D



TestAmerica Edison

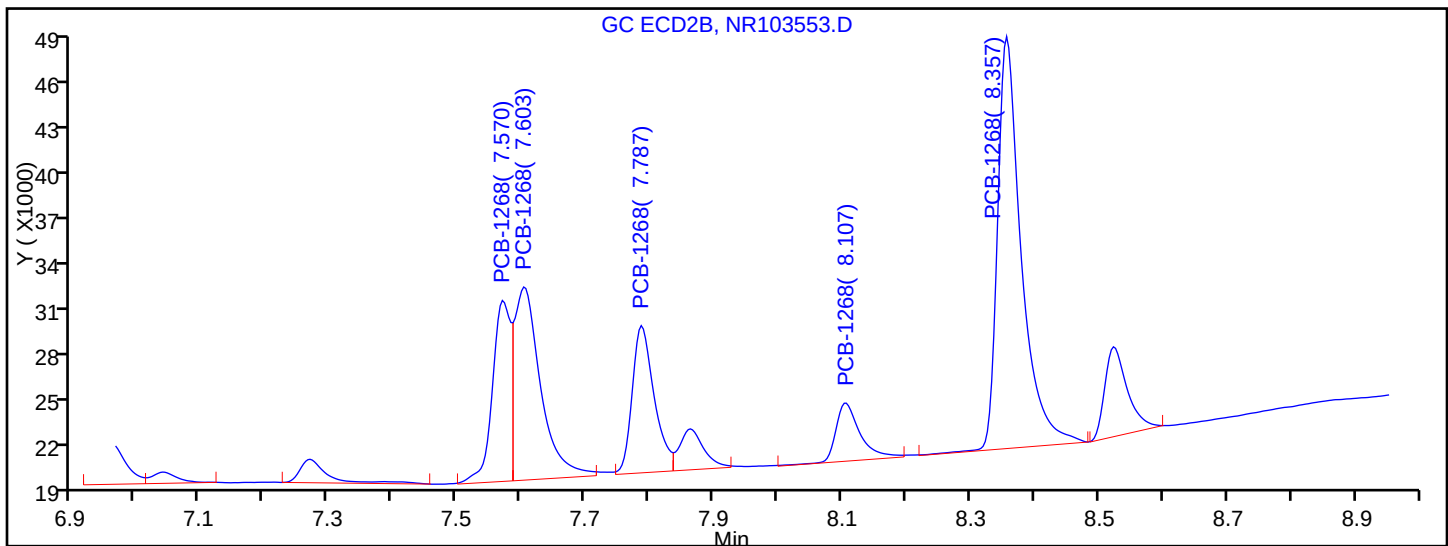
Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103553.D
Injection Date: 05-Sep-2013 17:29:34 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 15
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

42 PCB-1268, Detector: 2, GC ECD2B



Processing Integration Results

RT = 7.570	Response = 20400	
RT = 7.603	Response = 29032	M
RT = 7.787	Response = 19067	M
RT = 8.107	Response = 9330	
RT = 8.357	Response = 68156	



Manual Integration Results

RT = 7.570	Response = 20400	
RT = 7.603	Response = 34519	M
RT = 7.787	Response = 22587	M
RT = 8.107	Response = 9330	
RT = 8.357	Response = 68156	

Reviewer: foleysont, 05-Sep-2013 18:44:56

Audit Action: Assigned New Baseline

Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103554.D
 Lims ID: IC 1268 L2 Client ID:
 Inject. Date: 05-Sep-2013 17:43:39 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: 460-0004323-016
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 22
 Lims Batch ID: 179853 Lims Sample ID: 16
 Sublist: chrom-608GC6*sub32
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:35 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:45:10

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

42	PCB-1268					M
1	8.583	8.580	0.003	45313	509.9	M
1	8.623	8.623	0.0	76403	521.5	
1	8.853	8.853	0.0	49838	512.5	
1	9.107	9.107	0.0	22029	494.3	
1	9.430	9.430	0.0	164173	516.2	
	Average of Peak Amounts =				510.9	
2	7.570	7.570	0.0	181211	524.6	M
2	7.603	7.603	0.0	287988	529.9	M
2	7.787	7.787	0.0	190447	522.4	M
2	8.103	8.103	0.0	89104	540.5	M
2	8.357	8.357	0.0	535642	524.4	
	Average of Peak Amounts =				528.4	
					RPD = 3.36	

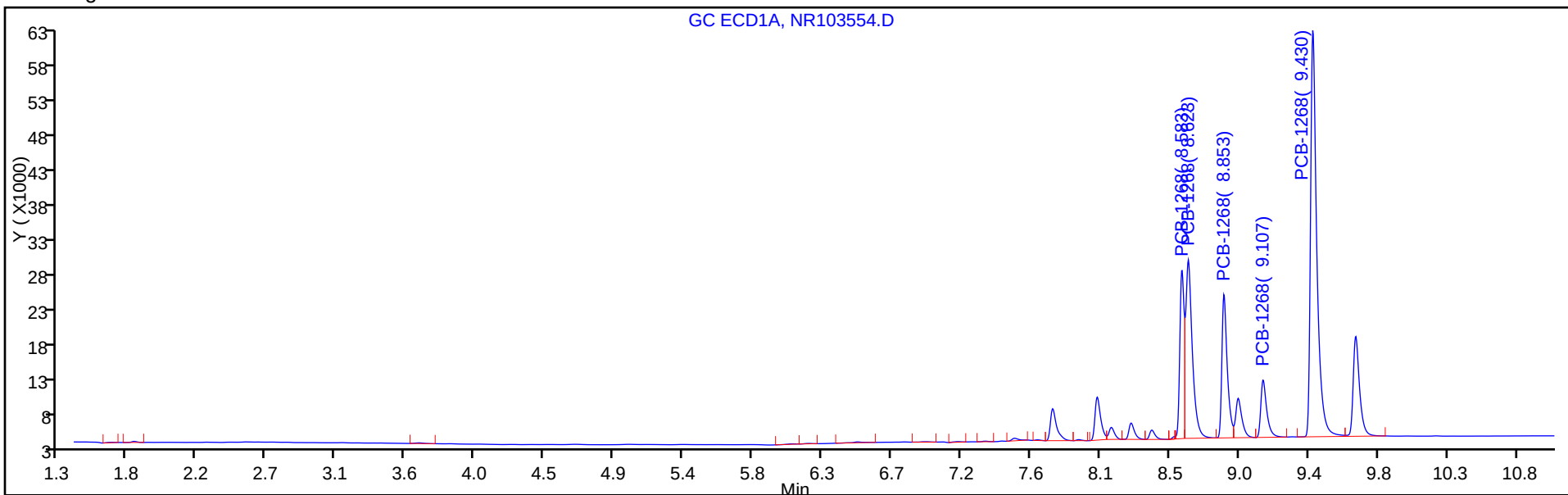
QC Flag Legend

Review Flags

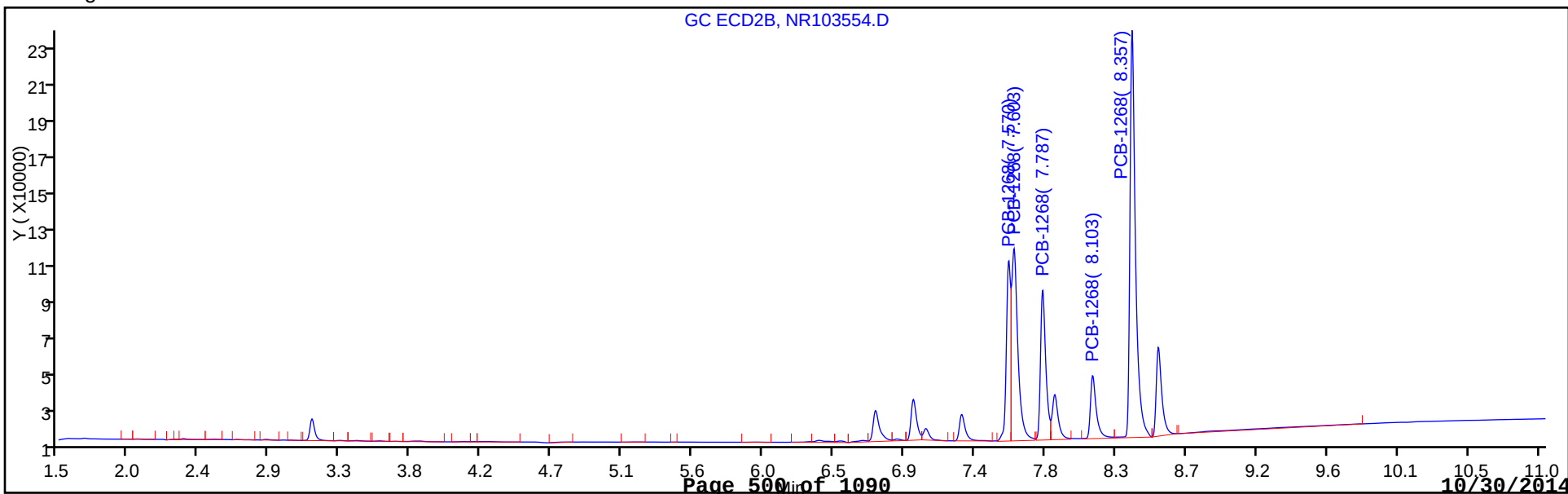
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103554.D
Injection Date: 05-Sep-2013 17:43:39 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 16
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



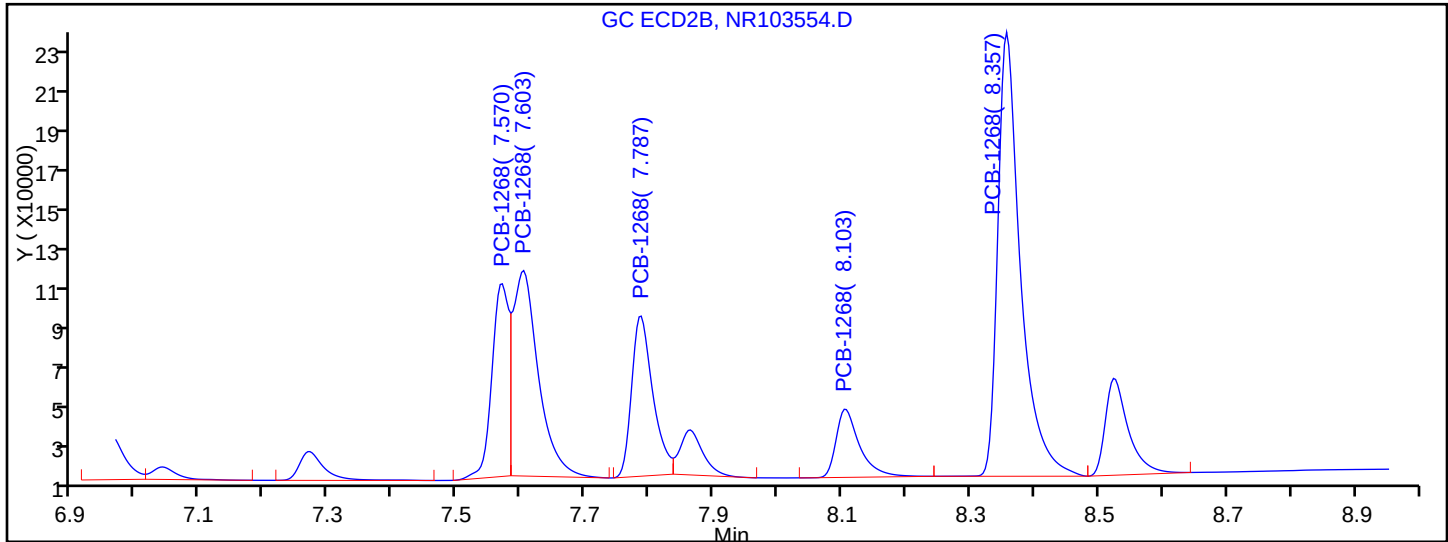
Y Scaling:



TestAmerica Edison

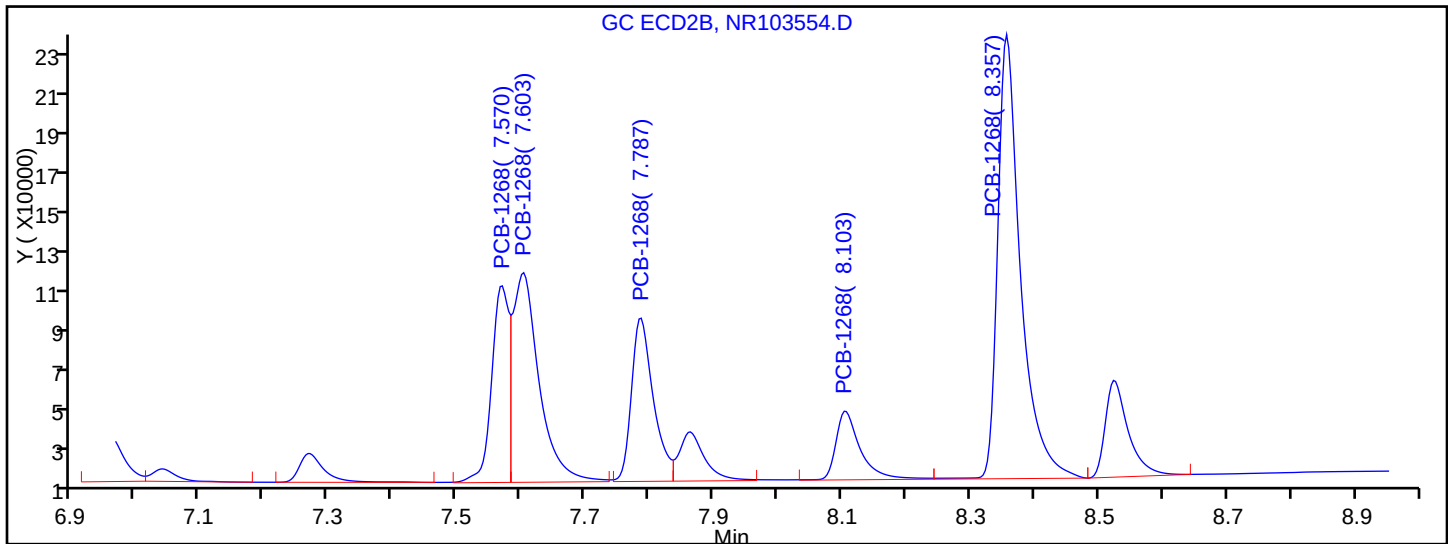
Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103554.D
Injection Date: 05-Sep-2013 17:43:39 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 16
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

42 PCB-1268, Detector: 2, GC ECD2B



Processing Integration Results

RT = 7.570	Response = 174423	M
RT = 7.603	Response = 273387	M
RT = 7.787	Response = 181126	M
RT = 8.103	Response = 85072	M
RT = 8.357	Response = 535642	



Manual Integration Results

RT = 7.570	Response = 181211	M
RT = 7.603	Response = 287988	M
RT = 7.787	Response = 190447	M
RT = 8.103	Response = 89104	M
RT = 8.357	Response = 535642	

Reviewer: foleysont, 05-Sep-2013 18:45:10

Audit Action: Assigned New Baseline

Audit Reason: Wrong Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103555.D
 Lims ID: IC 1268 L3 Client ID:
 Inject. Date: 05-Sep-2013 17:57:52 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: 460-0004323-017
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 23
 Lims Batch ID: 179853 Lims Sample ID: 17
 Sublist: chrom-608GC6*sub32
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:36 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:45:20

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

42 PCB-1268 M

1 8.580 8.580 0.0 87520 1024.3 M

1 8.623 8.623 0.0 143223 977.5

1 8.853 8.853 0.0 94591 1027.1

1 9.107 9.107 0.0 44200 991.9

1 9.430 9.430 0.0 309380 1036.1

Average of Peak Amounts = 1011.4

2 7.570 7.570 0.0 330931 1013.7 M

2 7.603 7.603 0.0 512441 1014.5 M

2 7.787 7.787 0.0 347640 1023.3 M

2 8.103 8.103 0.0 156300 1014.3

2 8.357 8.357 0.0 968298 1011.7

Average of Peak Amounts = 1015.5

RPD = 0.41

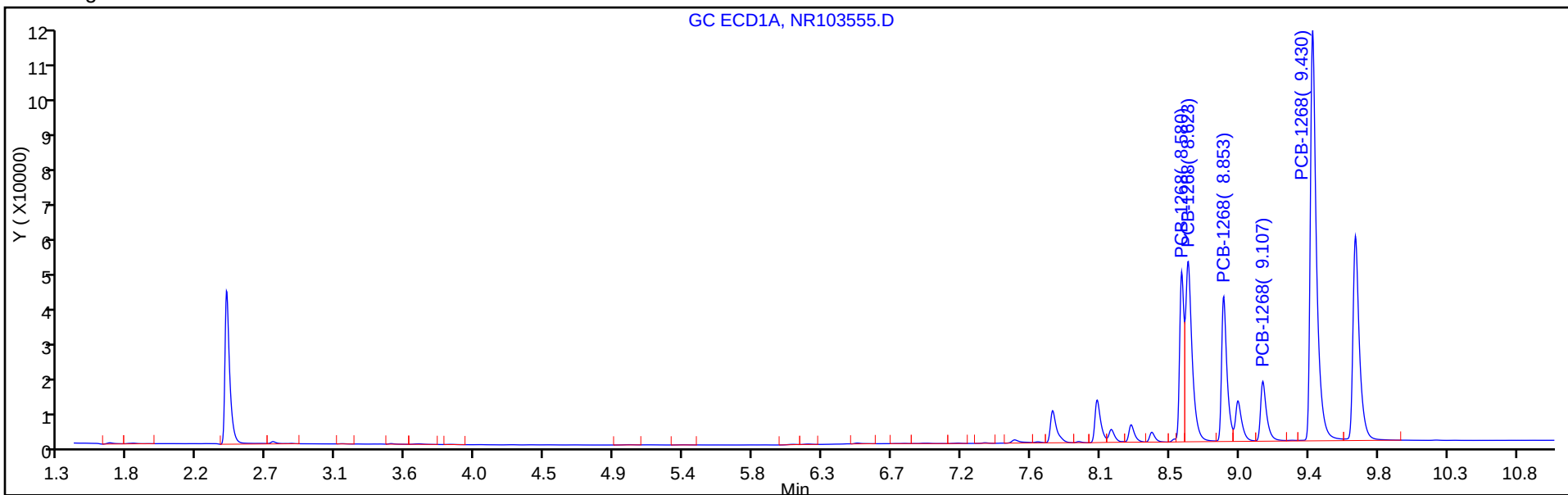
QC Flag Legend

Review Flags

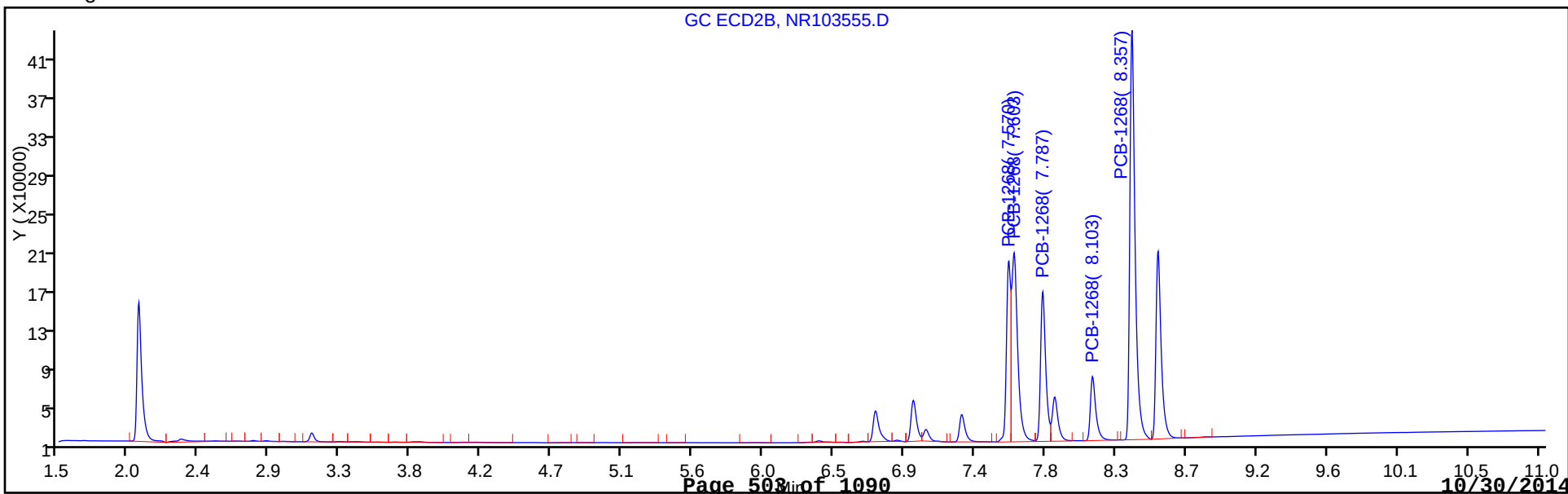
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103555.D
Injection Date: 05-Sep-2013 17:57:52 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 17
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

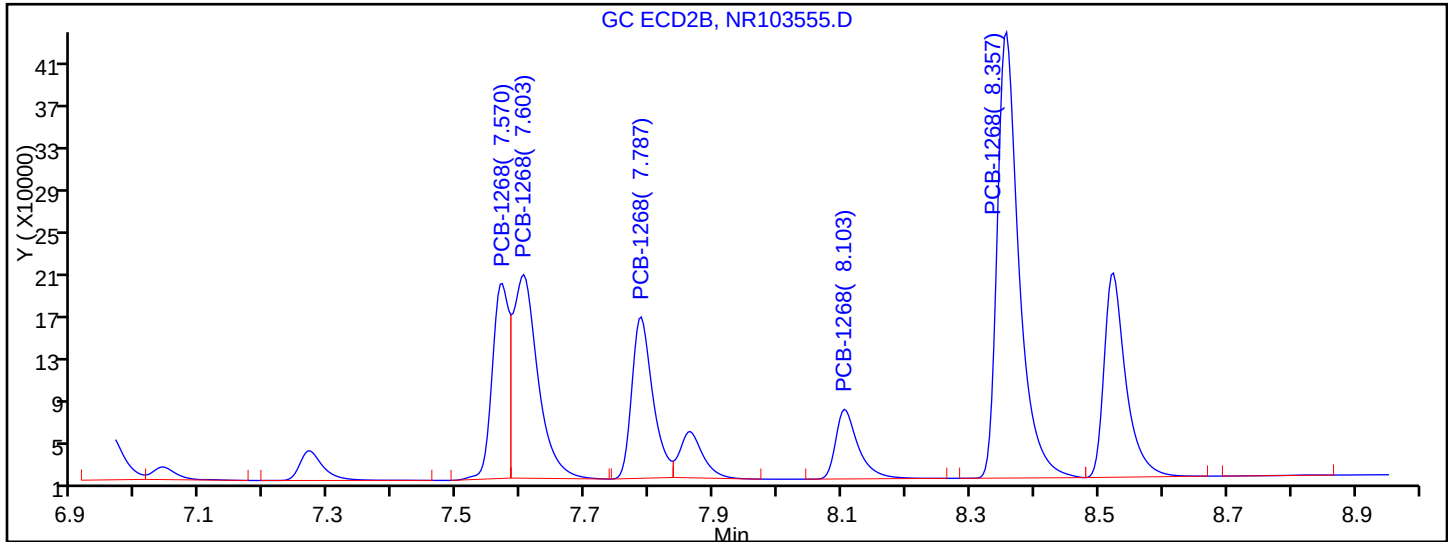


Y Scaling:



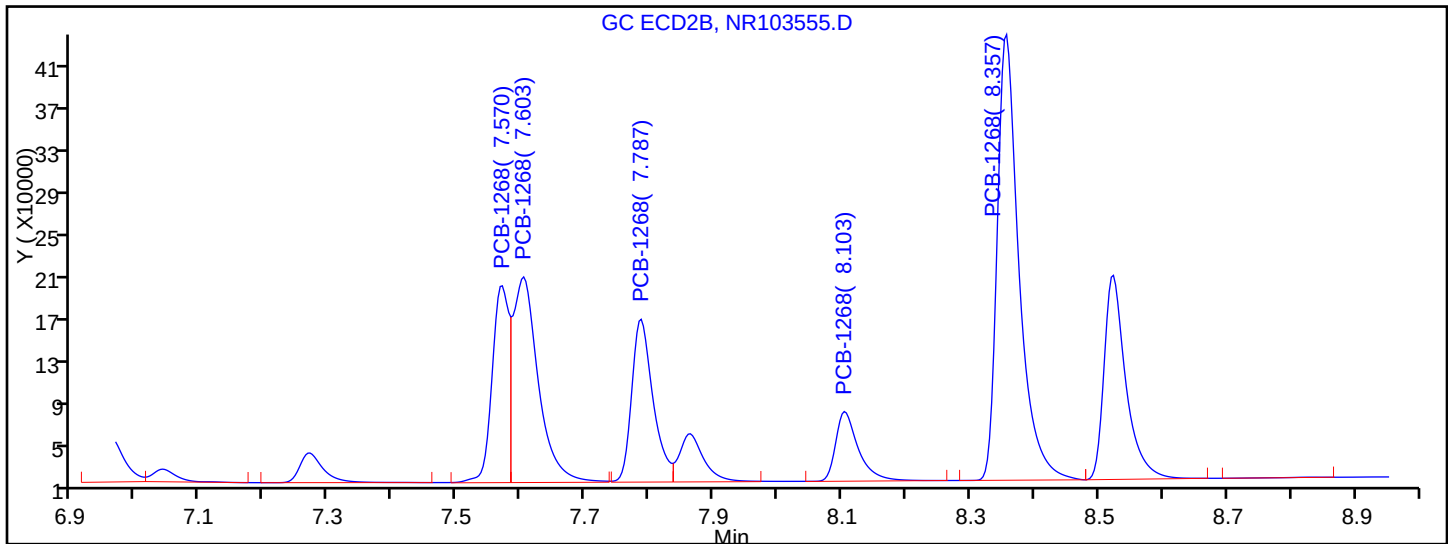
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103555.D
Injection Date: 05-Sep-2013 17:57:52 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 17
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
42 PCB-1268, Detector: 2, GC ECD2B



Processing Integration Results

RT = 7.570	Response = 324292	M
RT = 7.603	Response = 498374	M
RT = 7.787	Response = 338844	M
RT = 8.103	Response = 156300	
RT = 8.357	Response = 968298	



Manual Integration Results

RT = 7.570	Response = 330931	M
RT = 7.603	Response = 512441	M
RT = 7.787	Response = 347640	M
RT = 8.103	Response = 156300	
RT = 8.357	Response = 968298	

Reviewer: foleysont, 05-Sep-2013 18:45:20

Audit Action: Assigned New Baseline

Audit Reason: Wrong Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103556.D
 Lims ID: IC 1268 L4 Client ID:
 Inject. Date: 05-Sep-2013 18:12:05 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID: 460-0004323-018
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 24
 Lims Batch ID: 179853 Lims Sample ID: 18
 Sublist: chrom-608GC6*sub32
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:36 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:45:44

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

42 PCB-1268 M

1 8.583 8.580 0.003 126478 1499.1 M

1 8.627 8.623 0.004 211119 1440.9

1 8.857 8.853 0.004 138454 1531.5

1 9.110 9.107 0.003 65359 1466.7

1 9.433 9.430 0.003 450045 1539.8

Average of Peak Amounts = 1495.6

2 7.570 7.570 0.0 496404 1554.3 M

2 7.603 7.603 0.0 775984 1583.6 M

2 7.787 7.787 0.0 520341 1573.7 M

2 8.107 8.103 0.004 235645 1573.7

2 8.360 8.357 0.003 1456455 1561.5

Average of Peak Amounts = 1569.3

RPD = 4.81

QC Flag Legend

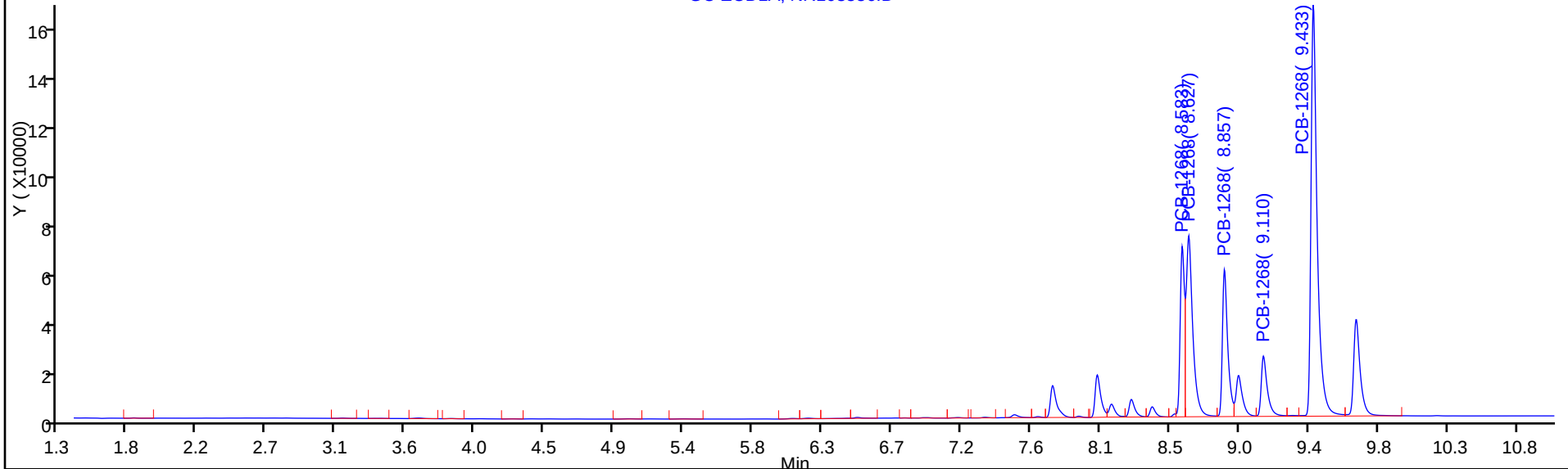
Review Flags

M - Manually Integrated

TestAmerica Edison

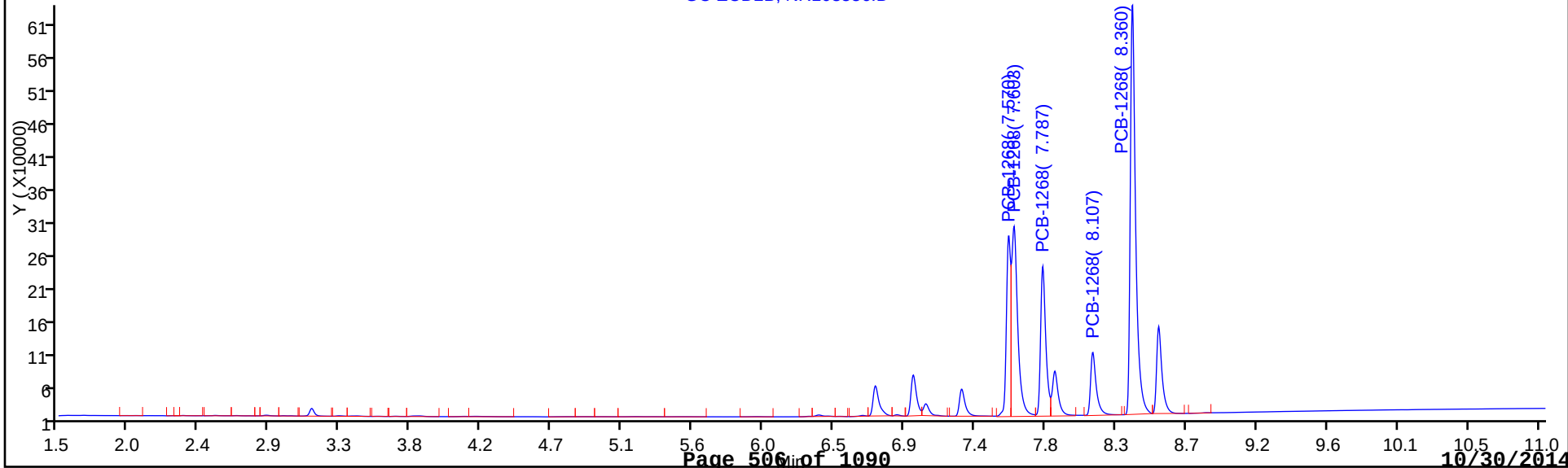
Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103556.D
Injection Date: 05-Sep-2013 18:12:05 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 18
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

GC ECD1A, NR103556.D



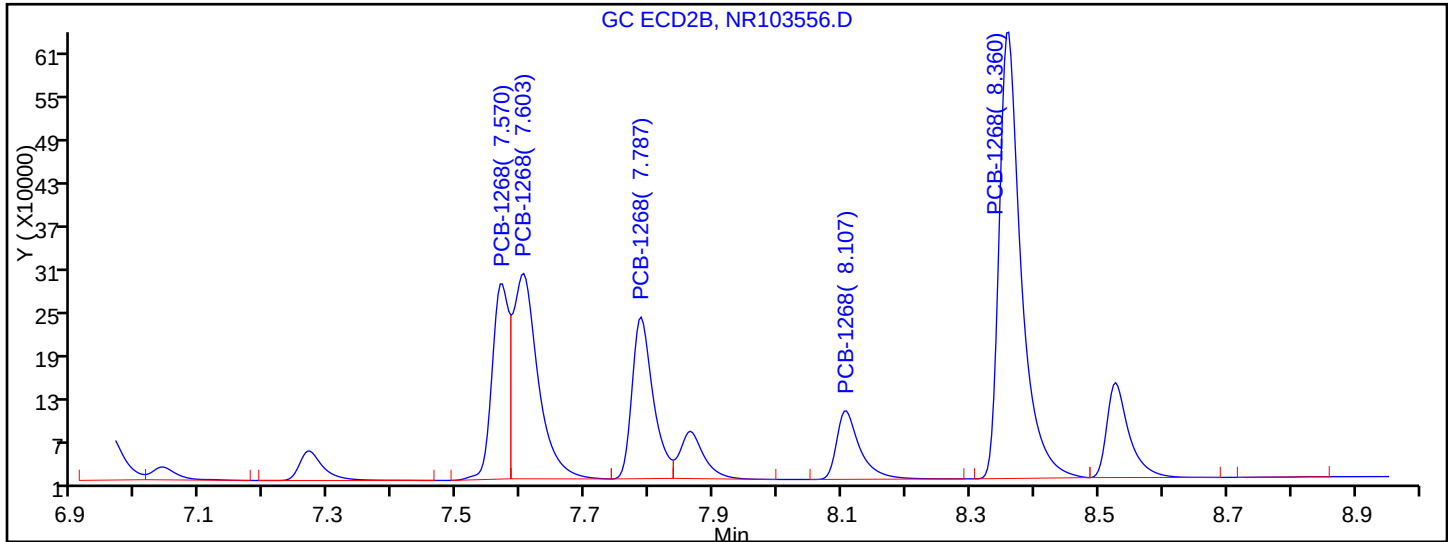
Y Scaling:

GC ECD2B, NR103556.D



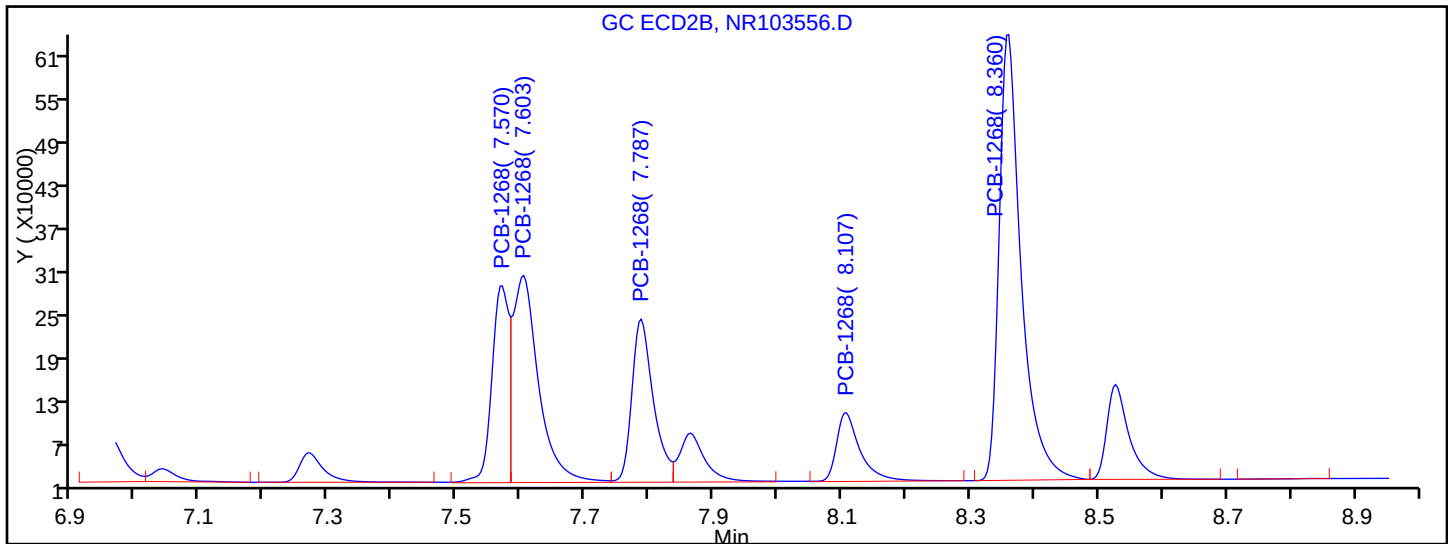
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103556.D
Injection Date: 05-Sep-2013 18:12:05 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 18
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
42 PCB-1268, Detector: 2, GC ECD2B



Processing Integration Results

RT = 7.570	Response = 486430	M
RT = 7.603	Response = 752954	M
RT = 7.787	Response = 506484	M
RT = 8.107	Response = 235645	
RT = 8.360	Response = 1456455	



Manual Integration Results

RT = 7.570	Response = 496404	M
RT = 7.603	Response = 775984	M
RT = 7.787	Response = 520341	M
RT = 8.107	Response = 235645	
RT = 8.360	Response = 1456455	

Reviewer: foleysont, 05-Sep-2013 18:45:44

Audit Action: Assigned New Baseline

Audit Reason: Wrong Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Lims ID: IC 1268 L5 Client ID:
 Inject. Date: 05-Sep-2013 18:26:25 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: 460-0004323-019
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 25
 Lims Batch ID: 179853 Lims Sample ID: 19
 Sublist: chrom-608GC6*sub32
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\608GC6.m
 Last Update: 06-Sep-2013 15:29:37 Calib Date: 05-Sep-2013 18:26:25
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK011

First Level Reviewer: foleysont

Date:

05-Sep-2013 18:46:09

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

42 PCB-1268 M

1 8.553 8.580 -0.027 207719 2489.3 M

1 8.593 8.623 -0.030 324294 2213.3 a

1 8.830 8.853 -0.023 219942 2468.5

1 9.083 9.107 -0.024 104445 2343.8

1 9.410 9.430 -0.020 706864 2459.4

Average of Peak Amounts = 2394.9

2 7.570 7.570 0.0 773071 2458.0

2 7.603 7.603 0.0 1172293 2439.4 M

2 7.783 7.787 -0.004 793204 2443.3 M

2 8.093 8.103 -0.010 359002 2443.4

2 8.337 8.357 -0.020 2249443 2454.6

Average of Peak Amounts = 2447.7

RPD = 2.18

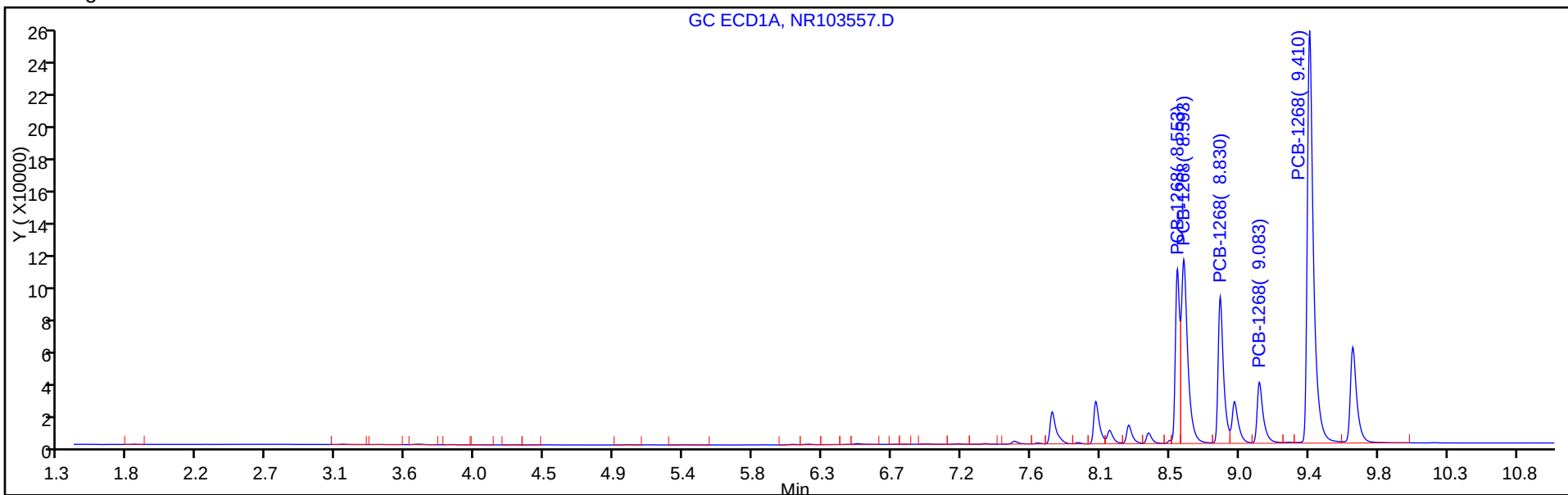
QC Flag Legend

Review Flags

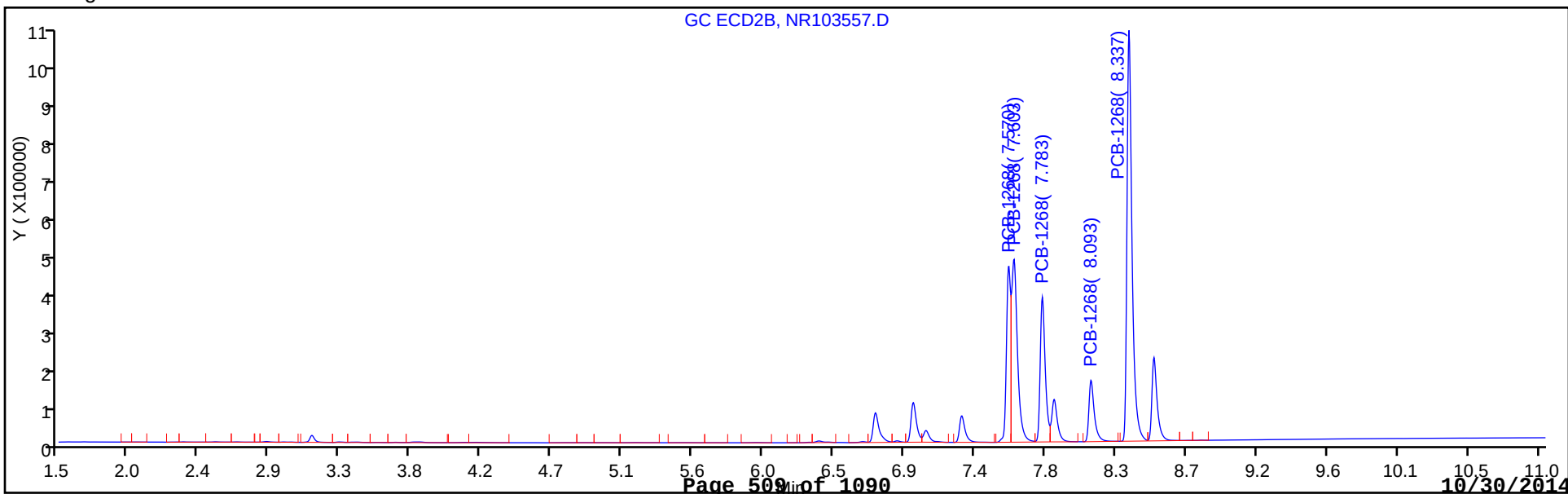
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
Injection Date: 05-Sep-2013 18:26:25 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 19
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



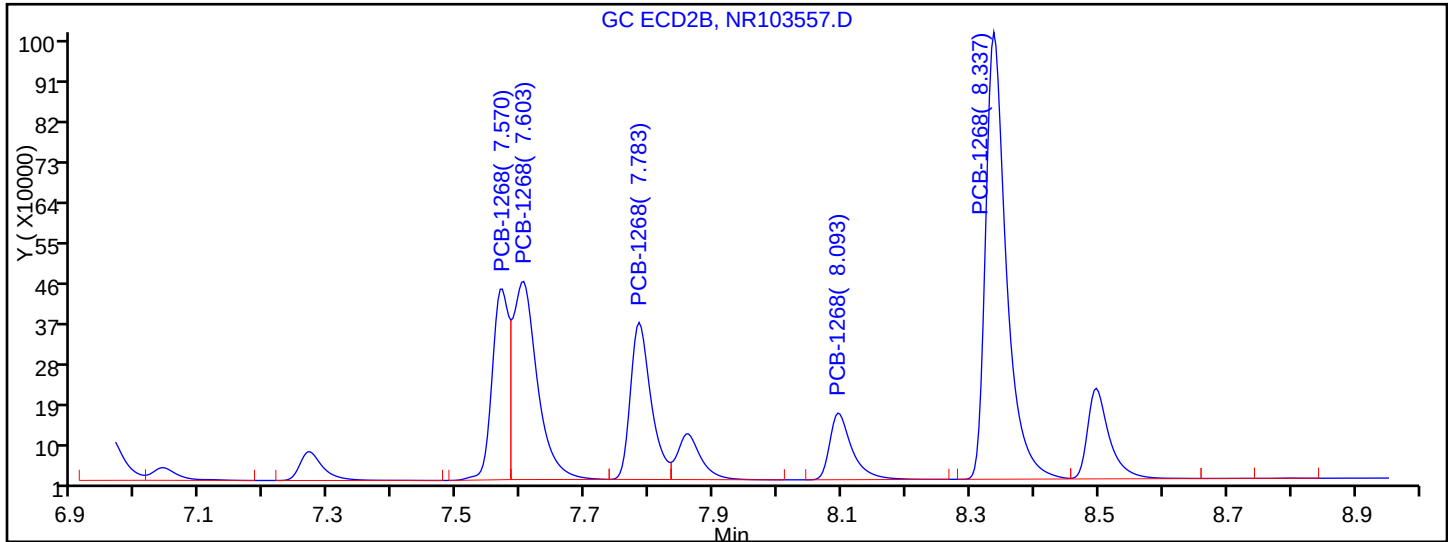
Y Scaling:



TestAmerica Edison

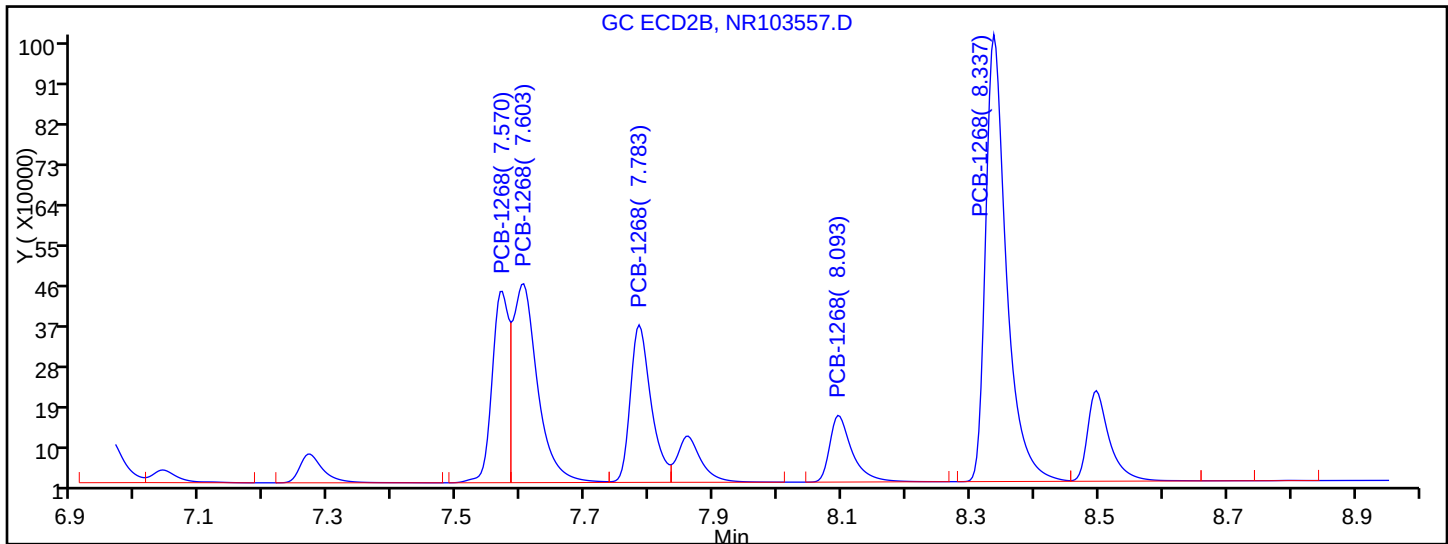
Data File: \\EDICHROM\ChromData\CPESTGC6\20130905-4323.b\NR103557.D
Injection Date: 05-Sep-2013 18:26:25 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 179853 Lims Sample ID: 19
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

42 PCB-1268, Detector: 2, GC ECD2B



Processing Integration Results

RT = 7.570	Response = 773071	
RT = 7.603	Response = 1156878	M
RT = 7.783	Response = 785603	M
RT = 8.093	Response = 359002	
RT = 8.337	Response = 2249443	



Manual Integration Results

RT = 7.570	Response = 773071	
RT = 7.603	Response = 1172293	M
RT = 7.783	Response = 793204	M
RT = 8.093	Response = 359002	
RT = 8.337	Response = 2249443	

Reviewer: foleysont, 05-Sep-2013 18:46:09

Audit Action: Assigned New Baseline

Audit Reason: Wrong Peak

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 181753

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2013 15:26 Calibration End Date: 09/16/2013 16:22 Calibration ID: 29711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-181753/3	NR103767.D
Level 2	IC 460-181753/4	NR103768.D
Level 3	IC 460-181753/5	NR103769.D
Level 4	IC 460-181753/6	NR103770.D
Level 5	IC 460-181753/7	NR103771.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1242 Peak 1	2.763	2.763	2.760	2.763	2.763						2.660 - 2.860	2.762
PCB-1242 Peak 2	3.123	3.120	3.120	3.123	3.123						3.020 - 3.220	3.122
PCB-1242 Peak 3	3.607	3.607	3.607	3.610	3.613						3.507 - 3.707	3.609
PCB-1242 Peak 4	3.813	3.813	3.810	3.817	3.817						3.710 - 3.910	3.814
PCB-1242 Peak 5	3.997	3.997	3.997	4.003	4.003						3.897 - 4.097	3.999

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 181753

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2013 15:26 Calibration End Date: 09/16/2013 16:22 Calibration ID: 29711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-181753/3	NR103767.D
Level 2	IC 460-181753/4	NR103768.D
Level 3	IC 460-181753/5	NR103769.D
Level 4	IC 460-181753/6	NR103770.D
Level 5	IC 460-181753/7	NR103771.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 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	18.550 15.679	16.436	19.285	17.448	Ave		17.4795600				8.5		10.0			
PCB-1242 Peak 2	36.970 28.025	33.384	32.669	30.801	Ave		32.3696933				10.0		10.0			
PCB-1242 Peak 3	66.740 54.810	60.234	60.074	58.269	Ave		60.0254133				7.2		10.0			
PCB-1242 Peak 4	29.260 26.121	27.932	28.862	27.818	Ave		27.9986400				4.3		10.0			
PCB-1242 Peak 5	13.860 15.506	14.608	16.018	16.307	Ave		15.2597867				6.6		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 181753

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2013 15:26 Calibration End Date: 09/16/2013 16:22 Calibration ID: 29711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-181753/3	NR103767.D
Level 2	IC 460-181753/4	NR103768.D
Level 3	IC 460-181753/5	NR103769.D
Level 4	IC 460-181753/6	NR103770.D
Level 5	IC 460-181753/7	NR103771.D

ANALYTE	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
PCB-1242 Peak 1	Ave	1855	8218	19285	26172	39197	100	500	1000	1500	2500
PCB-1242 Peak 2	Ave	3697	16692	32669	46201	70062	100	500	1000	1500	2500
PCB-1242 Peak 3	Ave	6674	30117	60074	87403	137026	100	500	1000	1500	2500
PCB-1242 Peak 4	Ave	2926	13966	28862	41727	65303	100	500	1000	1500	2500
PCB-1242 Peak 5	Ave	1386	7304	16018	24461	38764	100	500	1000	1500	2500

Curve Type Legend:

Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103767.D
 Lims ID: IC 1242L1 Client ID:
 Inject. Date: 16-Sep-2013 15:26:15 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 68
 Lims Batch ID: 181753 Lims Sample ID: 3
 Sublist: chrom-608GC6*sub28
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\608GC6.m
 Last Update: 17-Sep-2013 12:19:10 Calib Date: 16-Sep-2013 16:22:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK036

First Level Reviewer: foleysont

Date:

17-Sep-2013 11:46:05

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

40 PCB-1242						M
1	2.763	2.760	0.003	1855	106.1	M
1	3.123	3.120	0.003	3697	114.2	M
1	3.607	3.607	0.0	6674	111.2	M
1	3.813	3.810	0.003	2926	104.5	M
1	3.997	3.997	0.0	1386	90.8	M

Average of Peak Amounts = 105.4

2	2.257	2.253	0.004	5747	102.6	M
2	2.500	2.497	0.003	10295	112.8	M
2	2.827	2.823	0.004	23824	113.5	M
2	2.933	2.930	0.003	7707	105.7	M
2	2.980	2.977	0.003	6055	98.6	M

Average of Peak Amounts = 106.6

RPD = 1.20

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 17-Sep-2013 12:19:10

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103767.D

Injection Date: 16-Sep-2013 15:26:15

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 181753

Lims Sample ID: 3

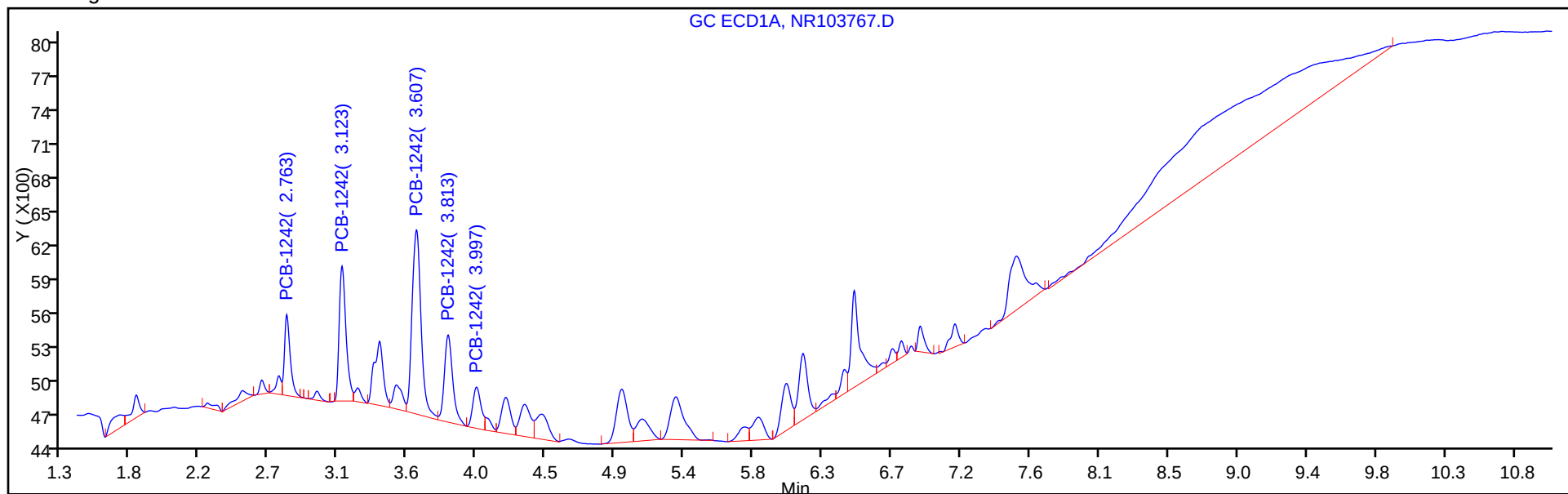
Operator ID:

Injection Vol: 1.0 ul

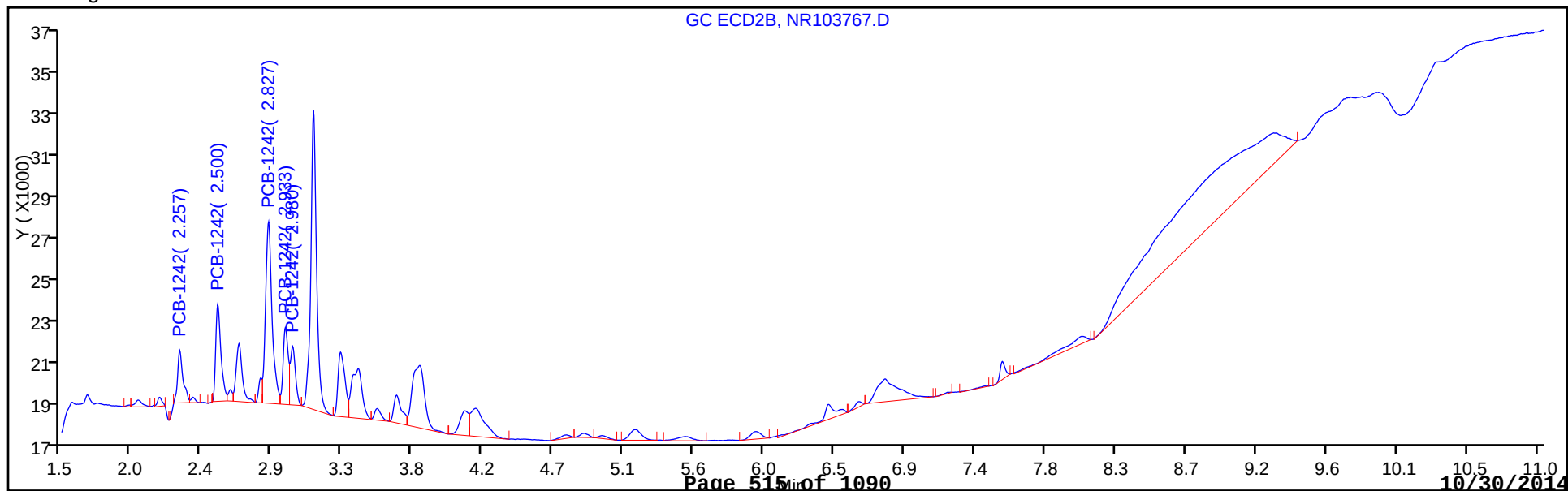
Column Type:

Column Dia:

Y Scaling:

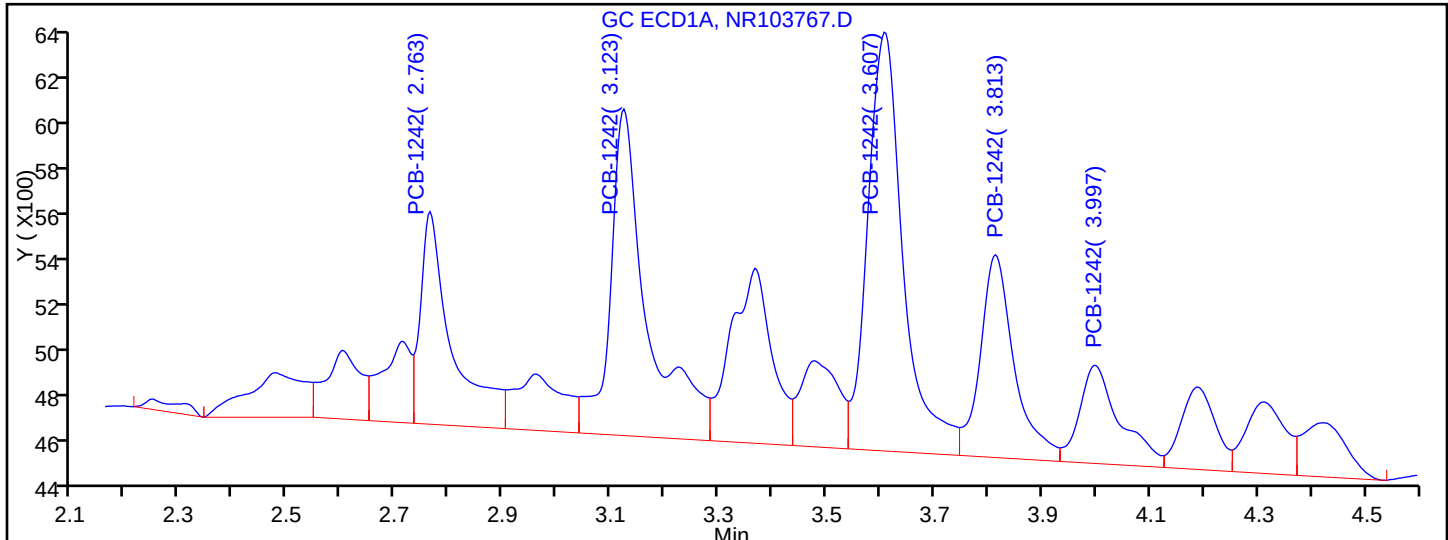


Y Scaling:



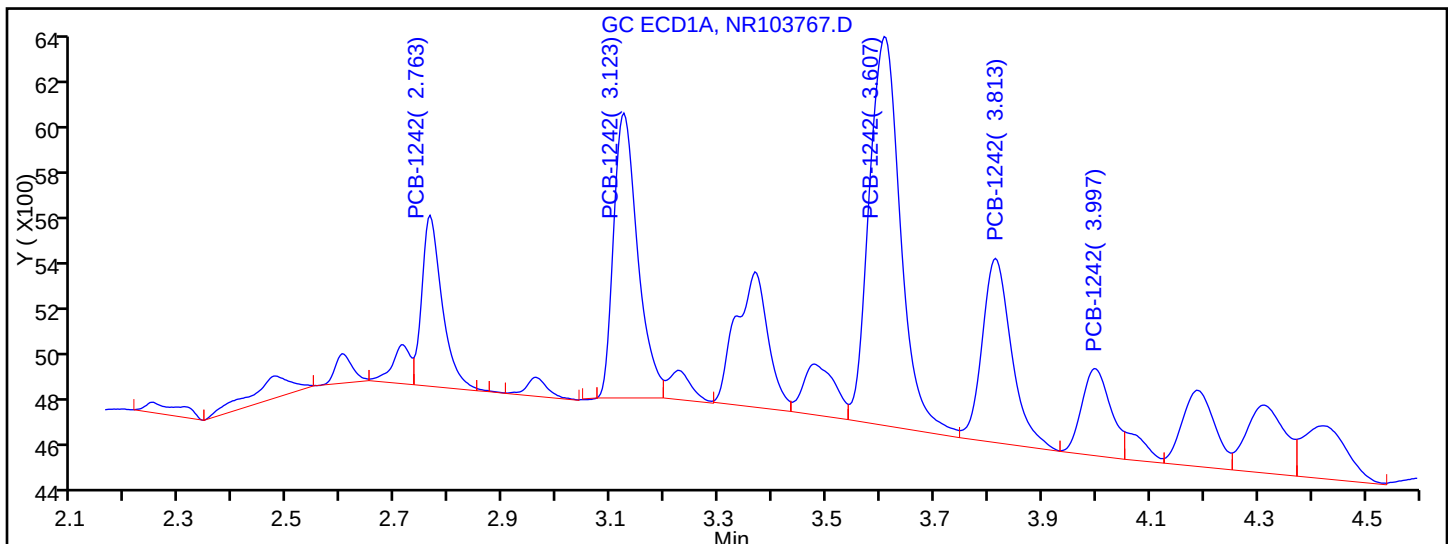
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103767.D
Injection Date: 16-Sep-2013 15:26:15 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 3
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
40 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 2.763	Response = 3559	M
RT = 3.123	Response = 6529	M
RT = 3.607	Response = 7988	M
RT = 3.813	Response = 3704	M
RT = 3.997	Response = 2142	M



Manual Integration Results

RT = 2.763	Response = 1855	M
RT = 3.123	Response = 3697	M
RT = 3.607	Response = 6674	M
RT = 3.813	Response = 2926	M
RT = 3.997	Response = 1386	M

Reviewer: foleysont, 17-Sep-2013 11:46:05

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103768.D
 Lims ID: IC 1242L2 Client ID:
 Inject. Date: 16-Sep-2013 15:39:51 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID:
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 69
 Lims Batch ID: 181753 Lims Sample ID: 4
 Sublist: chrom-608GC6*sub28
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\608GC6.m
 Last Update: 17-Sep-2013 12:19:11 Calib Date: 16-Sep-2013 16:22:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK036

First Level Reviewer: foleysont

Date:

17-Sep-2013 11:45:41

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

40 PCB-1242						M
1	2.763	2.760	0.003	8218	470.1	M
1	3.120	3.120	0.0	16692	515.7	M
1	3.607	3.607	0.0	30117	501.7	M
1	3.813	3.810	0.003	13966	498.8	M
1	3.997	3.997	0.0	7304	478.6	M

Average of Peak Amounts = 493.0

2	2.257	2.253	0.004	29936	534.2	
2	2.500	2.497	0.003	48730	534.0	
2	2.823	2.823	0.0	110862	528.0	
2	2.933	2.930	0.003	38727	531.3	
2	2.980	2.977	0.003	33578	546.8	

Average of Peak Amounts = 534.9

RPD = 8.15

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 17-Sep-2013 12:19:11

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103768.D

Injection Date: 16-Sep-2013 15:39:51

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 181753

Lims Sample ID: 4

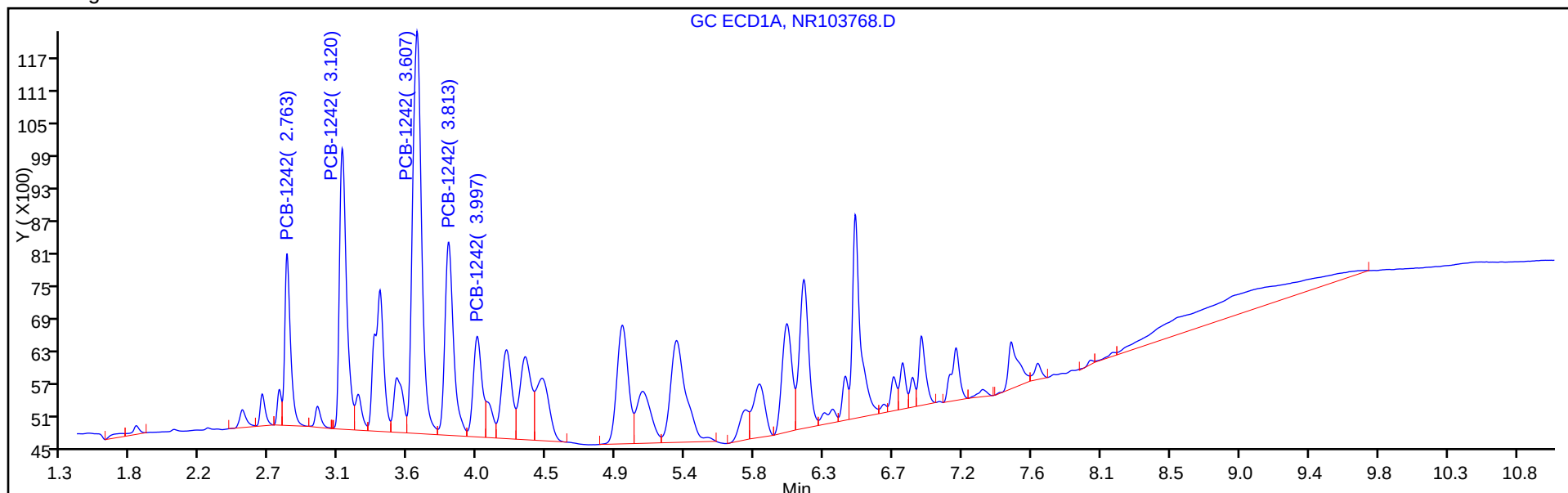
Operator ID:

Injection Vol: 1.0 ul

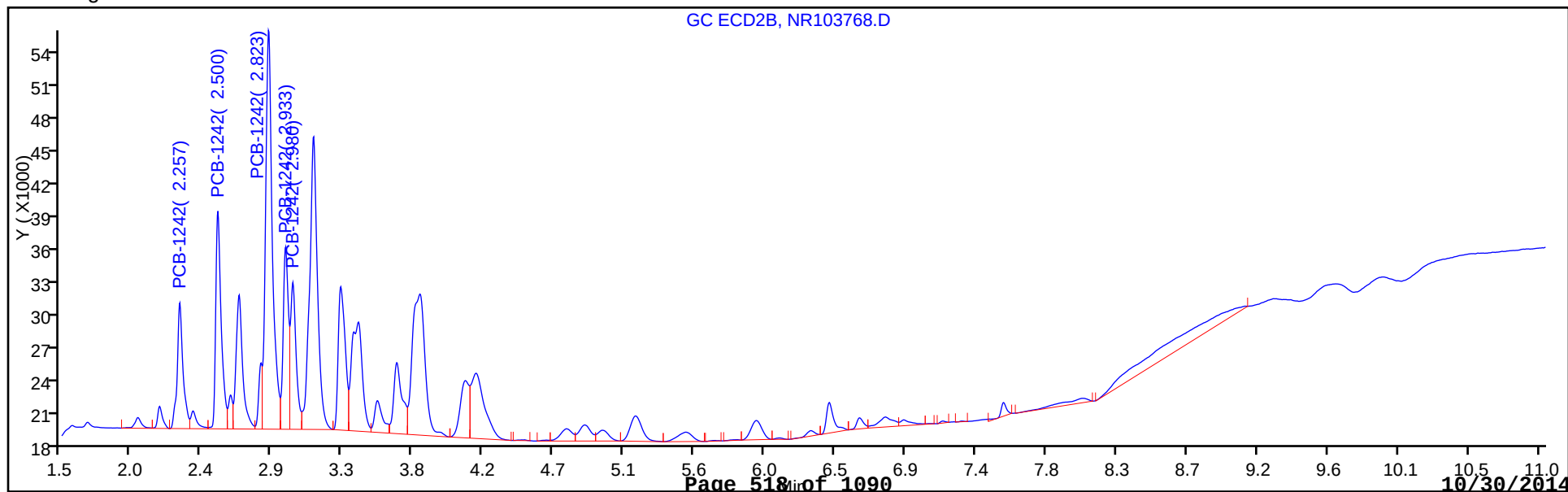
Column Type:

Column Dia:

Y Scaling:

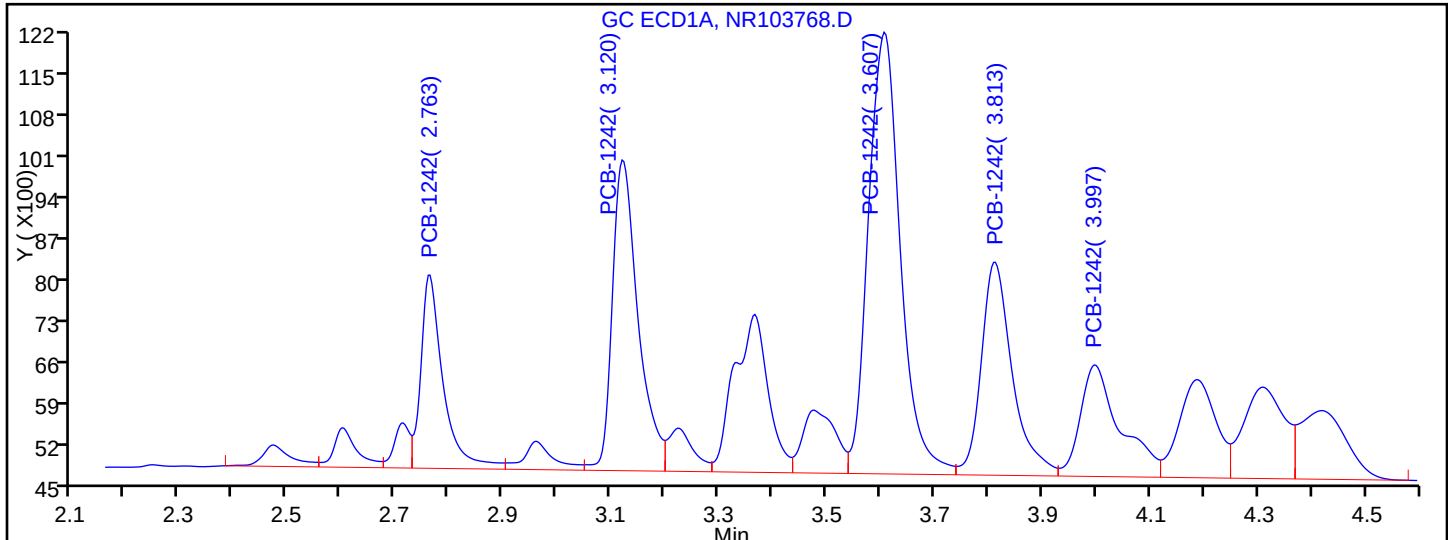


Y Scaling:



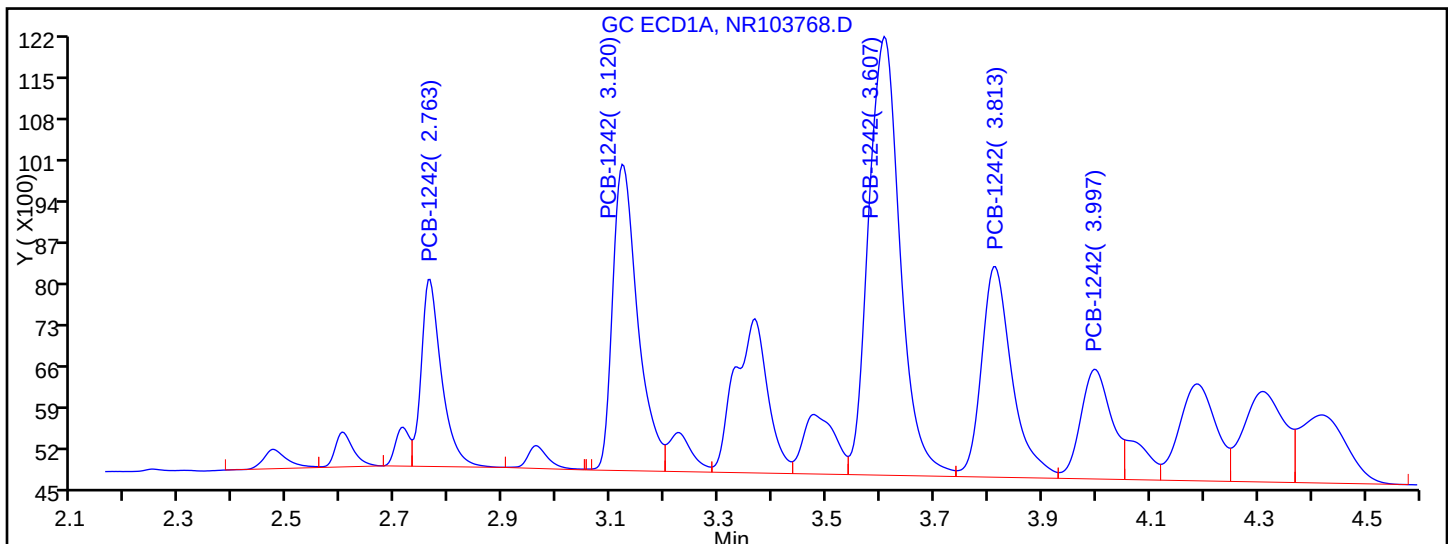
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103768.D
Injection Date: 16-Sep-2013 15:39:51 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 4
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
40 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 2.763	Response = 9290	M
RT = 3.120	Response = 17371	M
RT = 3.607	Response = 30699	M
RT = 3.813	Response = 14405	M
RT = 3.997	Response = 9656	M



Manual Integration Results

RT = 2.763	Response = 8218	M
RT = 3.120	Response = 16692	M
RT = 3.607	Response = 30117	M
RT = 3.813	Response = 13966	M
RT = 3.997	Response = 7304	M

Reviewer: foleysont, 17-Sep-2013 11:49:38

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103769.D
 Lims ID: IC 1242L3 Client ID:
 Inject. Date: 16-Sep-2013 15:53:32 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID:
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 70
 Lims Batch ID: 181753 Lims Sample ID: 5
 Sublist: chrom-608GC6*sub28
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\608GC6.m
 Last Update: 17-Sep-2013 12:19:12 Calib Date: 16-Sep-2013 16:22:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK036

First Level Reviewer: foleysont

Date:

17-Sep-2013 11:45:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

40 PCB-1242						M
1	2.760	2.760	0.0	19285	1103.3	M
1	3.120	3.120	0.0	32669	1009.2	M
1	3.607	3.607	0.0	60074	1000.8	M
1	3.810	3.810	0.0	28862	1030.8	M
1	3.997	3.997	0.0	16018	1049.7	M

Average of Peak Amounts = 1038.8

2	2.253	2.253	0.0	60966	1088.0	M
2	2.497	2.497	0.0	88980	975.2	
2	2.823	2.823	0.0	204649	974.7	M
2	2.930	2.930	0.0	73194	1004.2	
2	2.977	2.977	0.0	60812	990.3	

Average of Peak Amounts = 1006.5

RPD = 3.16

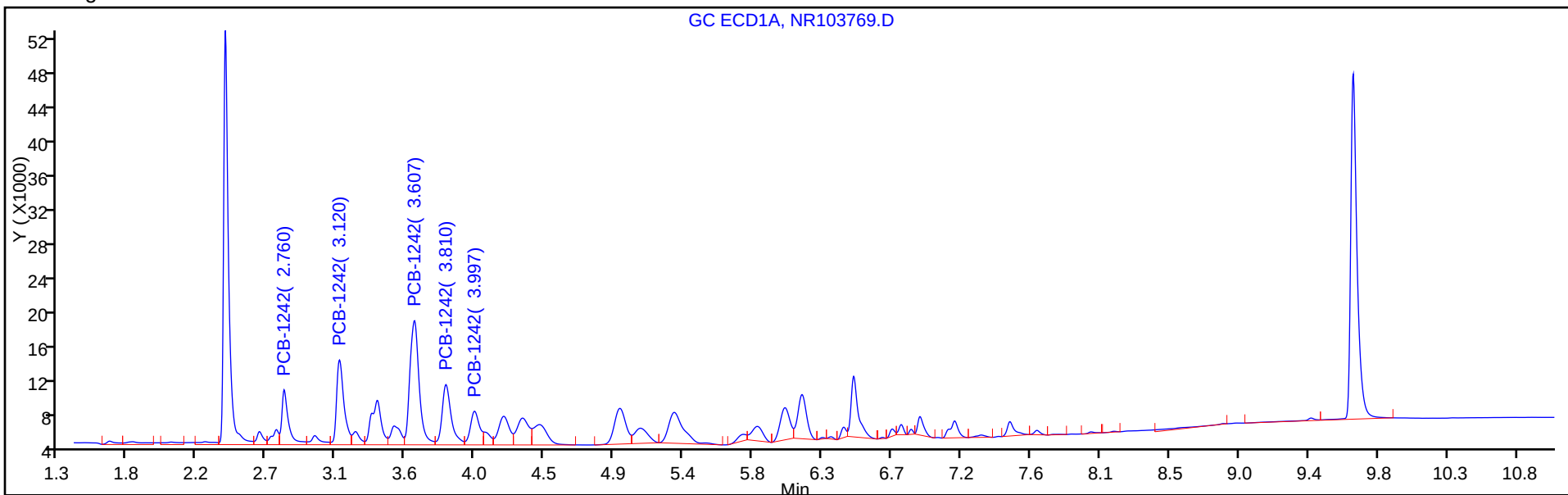
QC Flag Legend

Review Flags

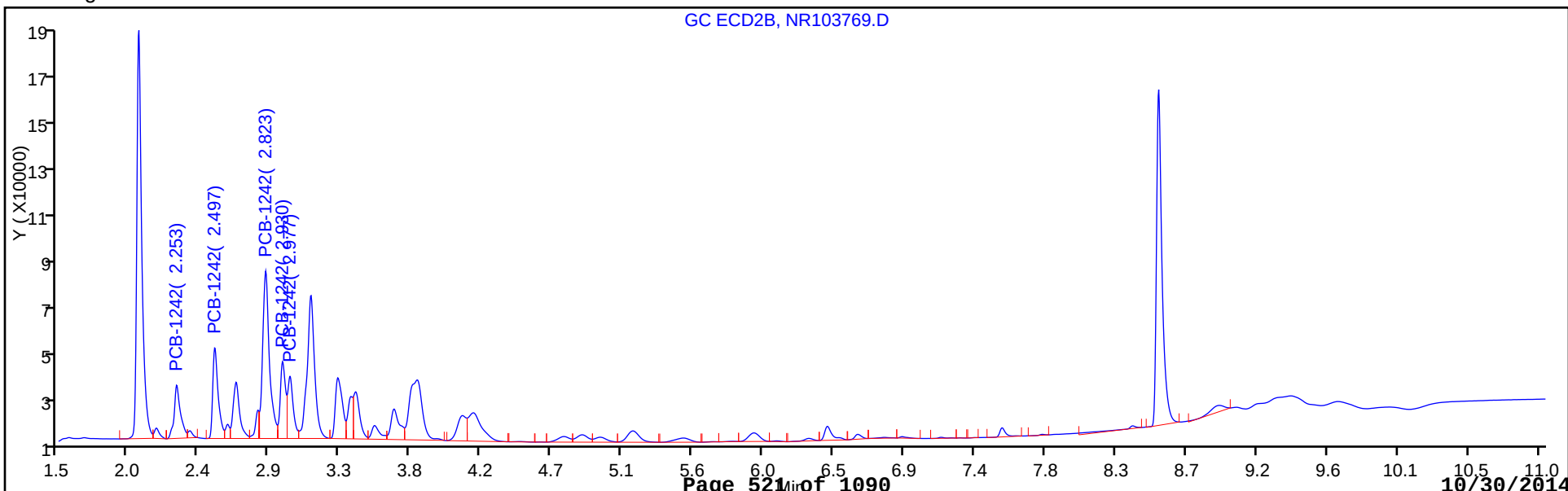
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103769.D
Injection Date: 16-Sep-2013 15:53:32 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 5
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

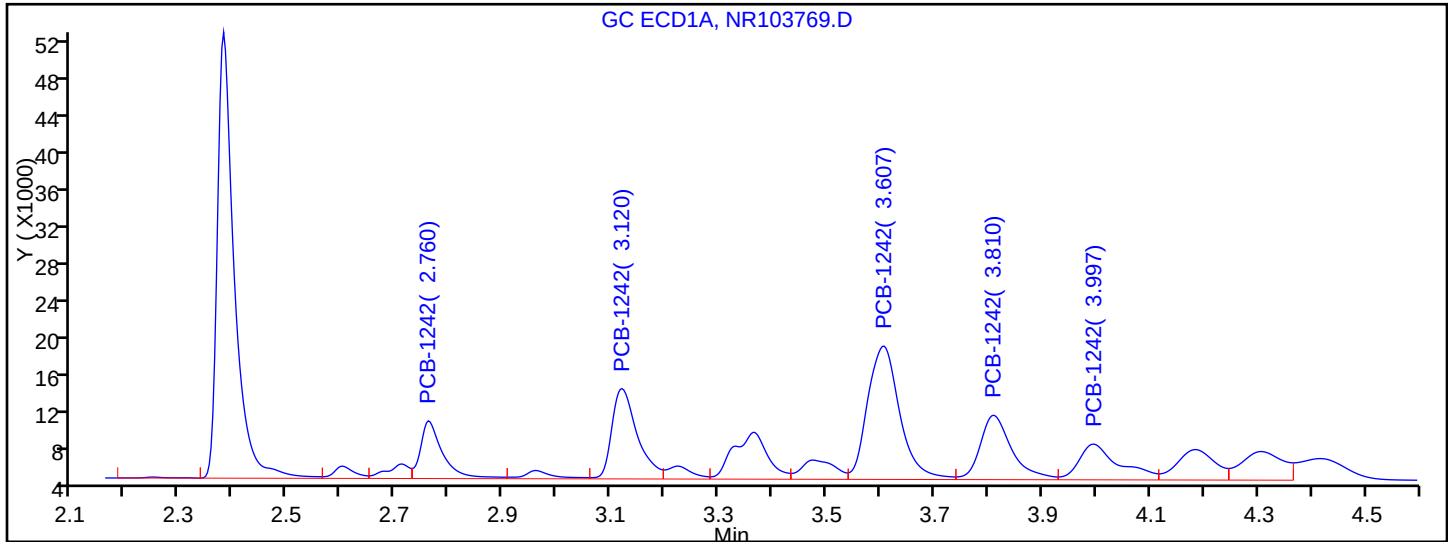


Y Scaling:



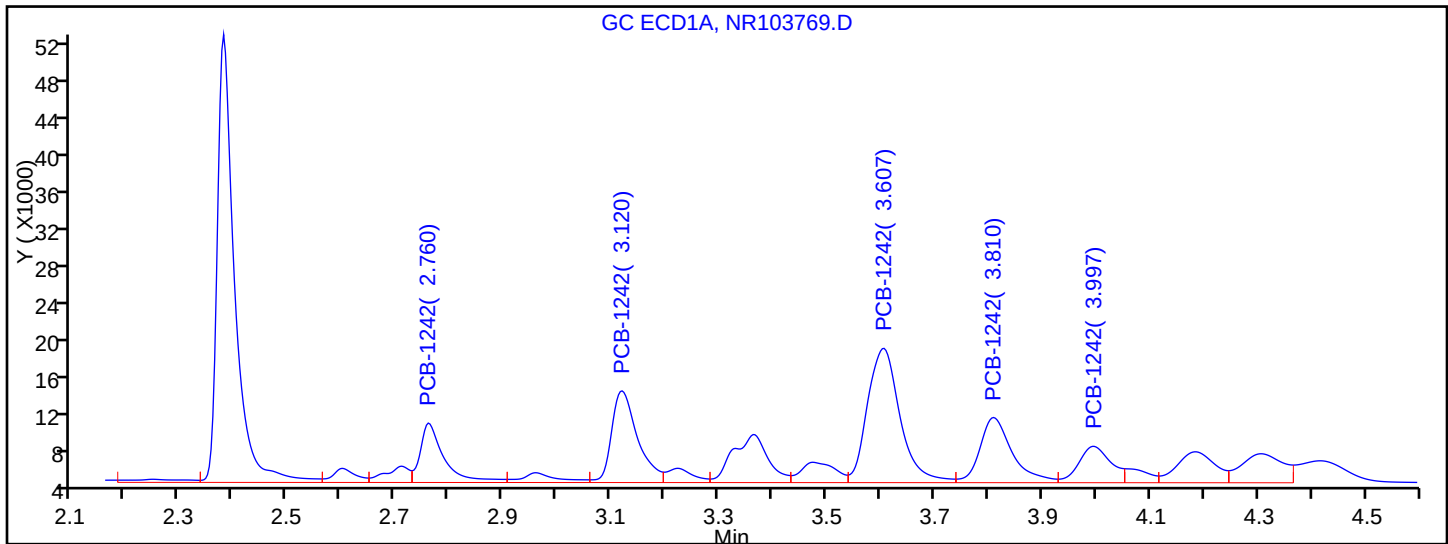
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103769.D
Injection Date: 16-Sep-2013 15:53:32 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 5
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
40 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 2.760	Response = 17409	M
RT = 3.120	Response = 31447	M
RT = 3.607	Response = 58838	M
RT = 3.810	Response = 27882	M
RT = 3.997	Response = 19686	M



Manual Integration Results

RT = 2.760	Response = 19285	M
RT = 3.120	Response = 32669	M
RT = 3.607	Response = 60074	M
RT = 3.810	Response = 28862	M
RT = 3.997	Response = 16018	M

Reviewer: foleysont, 17-Sep-2013 11:56:57

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103770.D
 Lims ID: IC 1242L4 Client ID:
 Inject. Date: 16-Sep-2013 16:07:55 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID:
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 71
 Lims Batch ID: 181753 Lims Sample ID: 6
 Sublist: chrom-608GC6*sub28
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\608GC6.m
 Last Update: 17-Sep-2013 12:19:14 Calib Date: 16-Sep-2013 16:22:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK036

First Level Reviewer: foleysont

Date:

17-Sep-2013 11:46:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

40 PCB-1242						M
1	2.763	2.760	0.003	26172	1497.3	M
1	3.123	3.120	0.003	46201	1427.3	M
1	3.610	3.607	0.003	87403	1456.1	M
1	3.817	3.810	0.007	41727	1490.3	M
1	4.003	3.997	0.006	24461	1603.0	M

Average of Peak Amounts = 1494.8

2	2.253	2.253	0.0	78612	1402.9	
2	2.500	2.497	0.003	129021	1414.0	
2	2.823	2.823	0.0	297327	1416.1	
2	2.930	2.930	0.0	105576	1448.5	
2	2.980	2.977	0.003	90859	1479.7	

Average of Peak Amounts = 1432.2

RPD = 4.28

QC Flag Legend

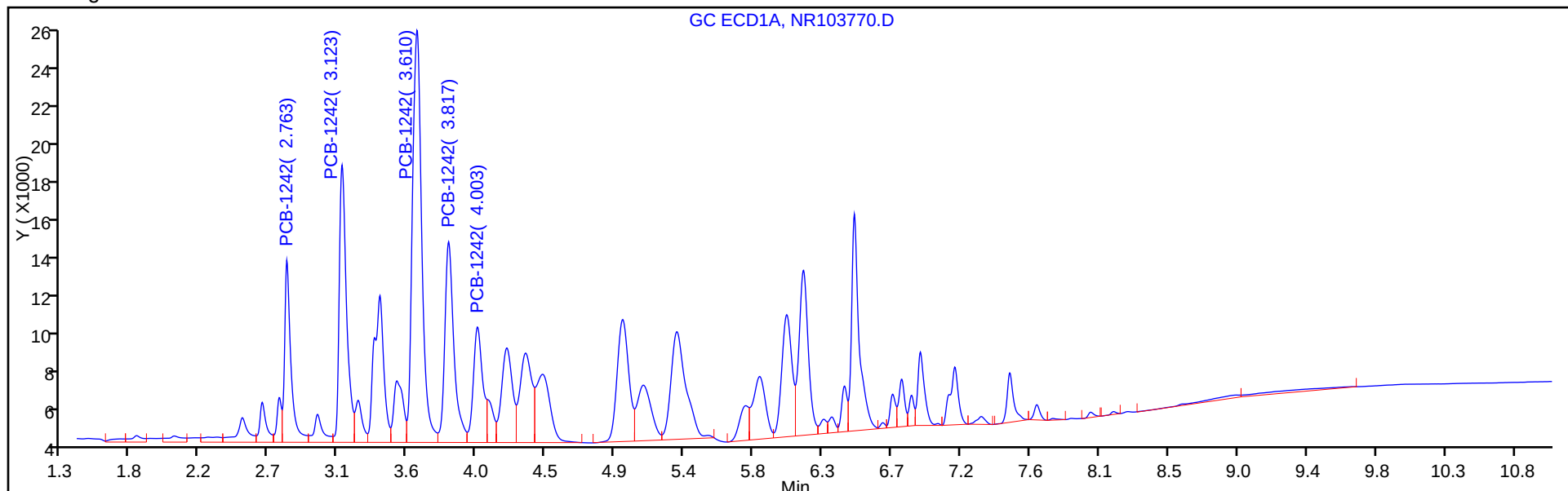
Review Flags

M - Manually Integrated

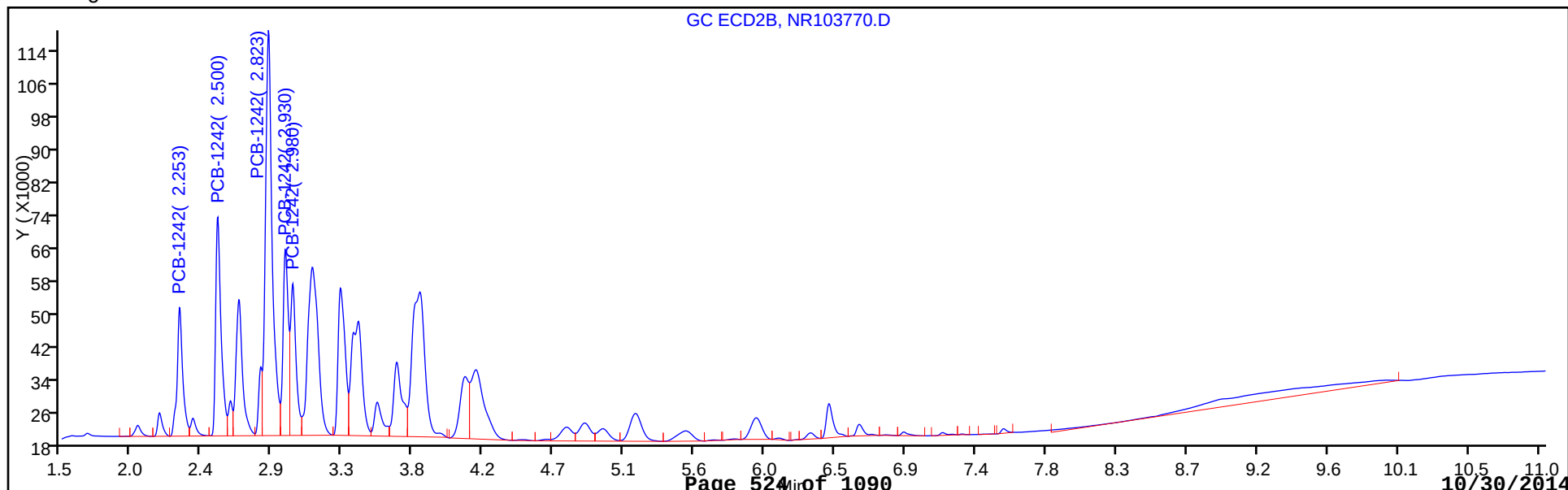
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103770.D
Injection Date: 16-Sep-2013 16:07:55 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 6
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:

Y Scaling:

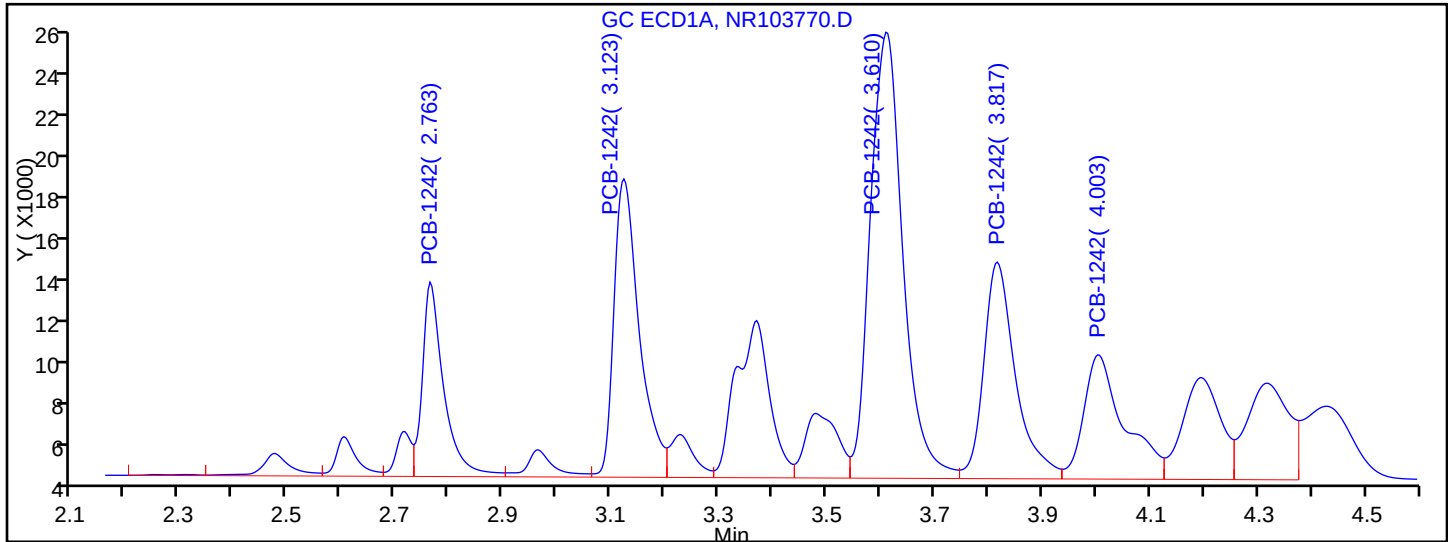


Y Scaling:



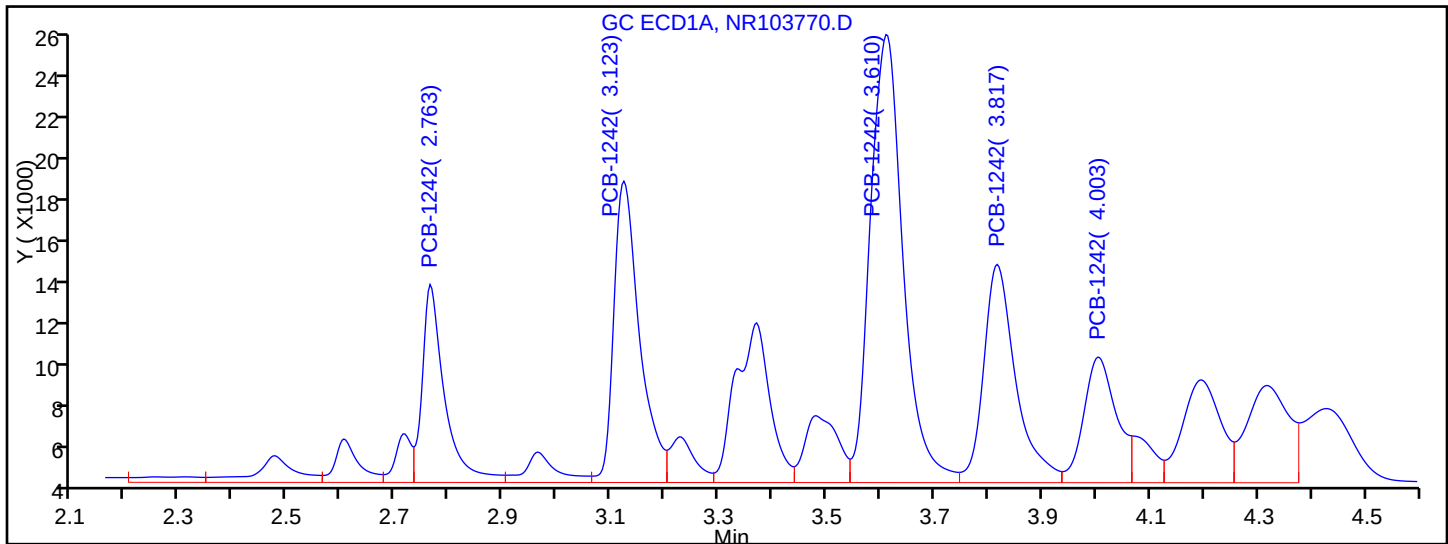
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103770.D
Injection Date: 16-Sep-2013 16:07:55 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 6
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
40 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 2.763	Response = 24515	M
RT = 3.123	Response = 45067	M
RT = 3.610	Response = 86305	M
RT = 3.817	Response = 40895	M
RT = 4.003	Response = 29852	M



Manual Integration Results

RT = 2.763	Response = 26172	M
RT = 3.123	Response = 46201	M
RT = 3.610	Response = 87403	M
RT = 3.817	Response = 41727	M
RT = 4.003	Response = 24461	M

Reviewer: foleysont, 17-Sep-2013 11:57:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Lims ID: IC 1242L5 Client ID:
 Inject. Date: 16-Sep-2013 16:22:22 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID:
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 72
 Lims Batch ID: 181753 Lims Sample ID: 7
 Sublist: chrom-608GC6*sub28
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\608GC6.m
 Last Update: 17-Sep-2013 12:19:16 Calib Date: 16-Sep-2013 16:22:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK036

First Level Reviewer: foleysont

Date:

17-Sep-2013 11:47:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

40 PCB-1242						M
1	2.763	2.760	0.003	39197	2242.4	M
1	3.123	3.120	0.003	70062	2164.4	M
1	3.613	3.607	0.006	137026	2282.8	M
1	3.817	3.810	0.007	65303	2332.4	M
1	4.003	3.997	0.006	38764	2540.3	M

Average of Peak Amounts = 2312.5

2	2.253	2.253	0.0	123667	2206.9	
2	2.500	2.497	0.003	202083	2214.7	
2	2.823	2.823	0.0	467480	2226.5	
2	2.933	2.930	0.003	165849	2275.4	
2	2.980	2.977	0.003	144842	2358.8	

Average of Peak Amounts = 2256.4

RPD = 2.45

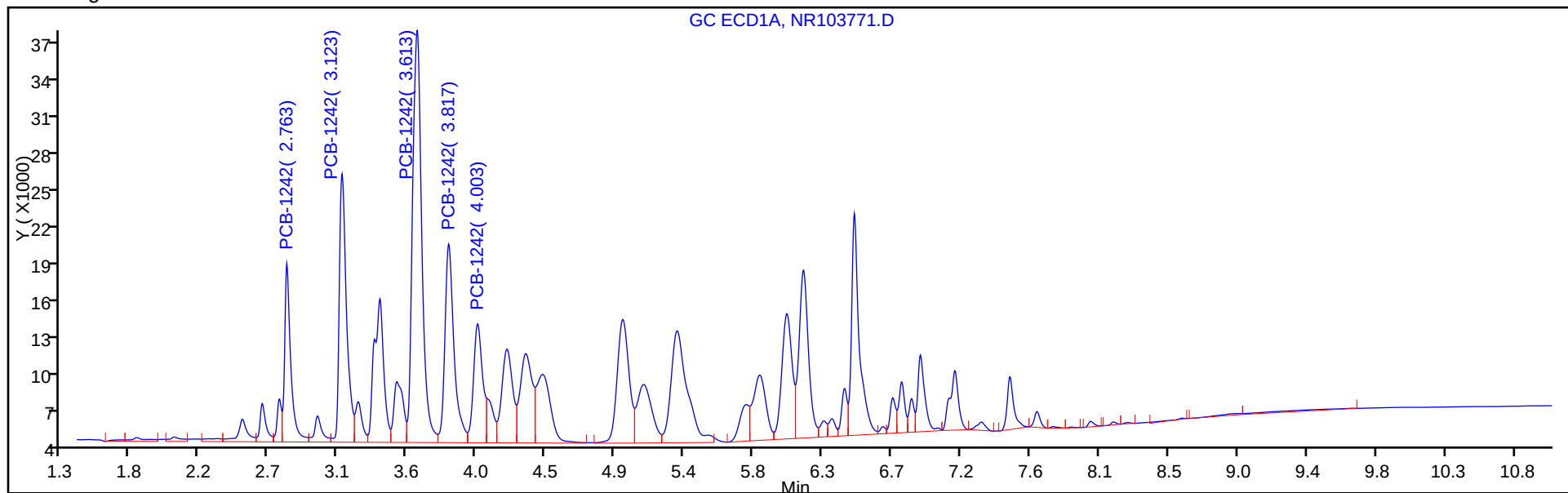
QC Flag Legend

Review Flags

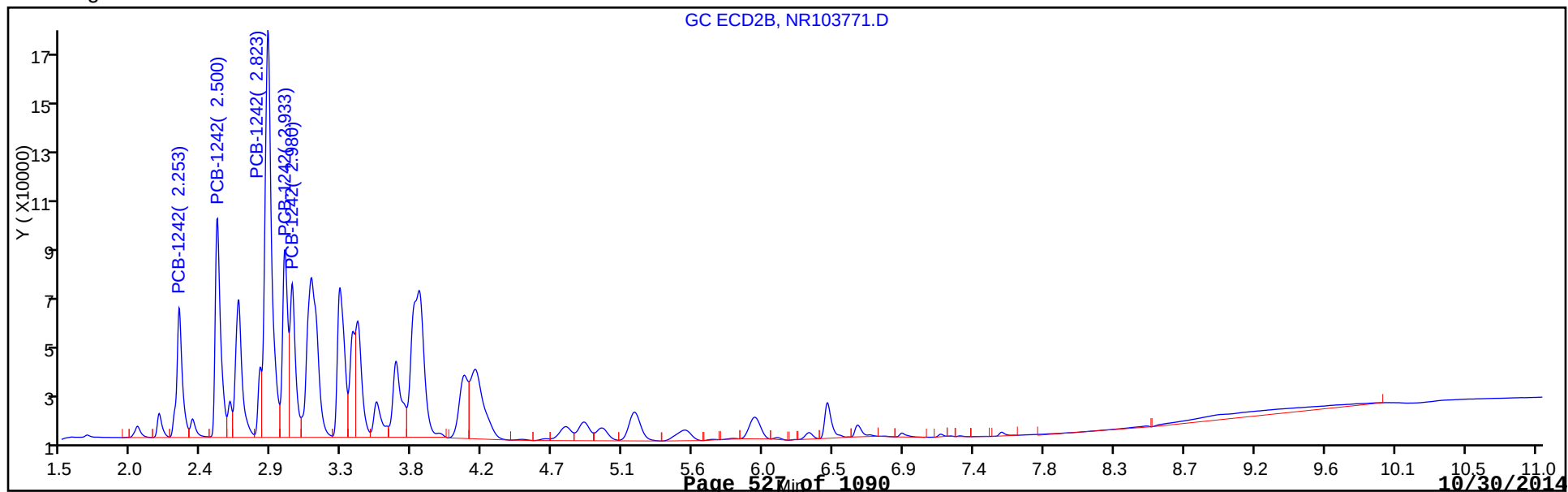
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
Injection Date: 16-Sep-2013 16:22:22 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 7
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

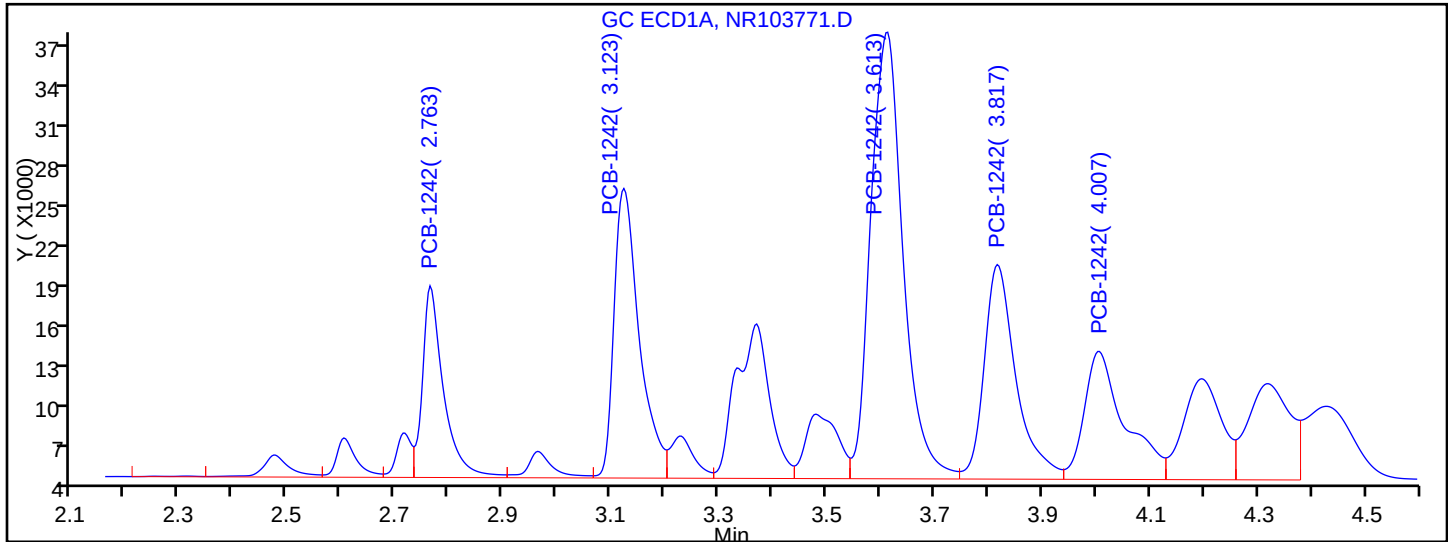


Y Scaling:



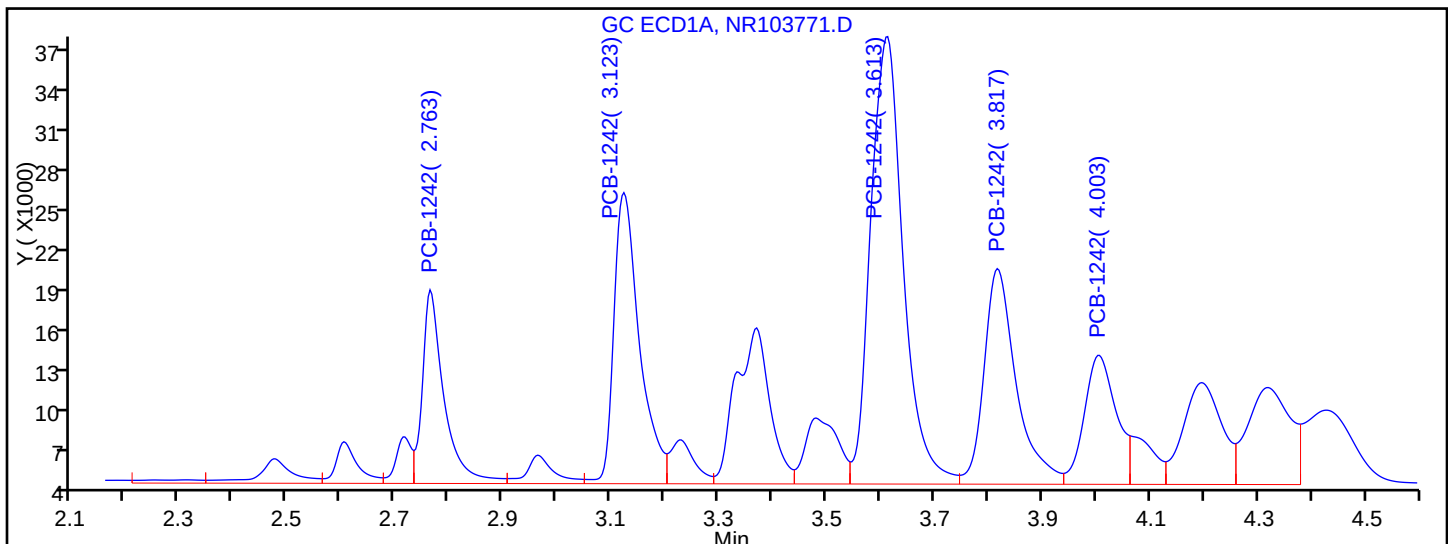
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
Injection Date: 16-Sep-2013 16:22:22 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 7
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
40 PCB-1242, Detector: 1, GC ECD1A



Processing Integration Results

RT = 2.763	Response = 37559	M
RT = 3.123	Response = 68629	M
RT = 3.613	Response = 135727	M
RT = 3.817	Response = 64213	M
RT = 4.007	Response = 48660	M



Manual Integration Results

RT = 2.763	Response = 39197	M
RT = 3.123	Response = 70062	M
RT = 3.613	Response = 137026	M
RT = 3.817	Response = 65303	M
RT = 4.003	Response = 38764	M

Reviewer: foleysont, 17-Sep-2013 11:57:58

Audit Action: Assigned New Baseline

Audit Reason: Peak Tail

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 181753

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2013 15:26 Calibration End Date: 09/16/2013 16:22 Calibration ID: 29712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-181753/3	NR103767.D
Level 2	IC 460-181753/4	NR103768.D
Level 3	IC 460-181753/5	NR103769.D
Level 4	IC 460-181753/6	NR103770.D
Level 5	IC 460-181753/7	NR103771.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1242 Peak 1	2.257	2.257	2.253	2.253	2.253						2.153 - 2.353	2.255
PCB-1242 Peak 2	2.500	2.500	2.497	2.500	2.500						2.397 - 2.597	2.499
PCB-1242 Peak 3	2.827	2.823	2.823	2.823	2.823						2.723 - 2.923	2.824
PCB-1242 Peak 4	2.933	2.933	2.930	2.930	2.933						2.830 - 3.030	2.932
PCB-1242 Peak 5	2.980	2.980	2.977	2.980	2.980						2.877 - 3.077	2.979

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 181753

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2013 15:26 Calibration End Date: 09/16/2013 16:22 Calibration ID: 29712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-181753/3	NR103767.D
Level 2	IC 460-181753/4	NR103768.D
Level 3	IC 460-181753/5	NR103769.D
Level 4	IC 460-181753/6	NR103770.D
Level 5	IC 460-181753/7	NR103771.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 3	LVL 4		B	M1	M2								
PCB-1242 Peak 1	57.470 49.467	59.872	60.966	52.408	Ave		56.0365600				8.8		10.0			
PCB-1242 Peak 2	102.95 80.833	97.460	88.980	86.014	Ave		91.2474400				9.7		10.0			
PCB-1242 Peak 3	238.24 186.99	221.72	204.65	198.22	Ave		209.964600				9.6		10.0			
PCB-1242 Peak 4	77.070 66.340	77.454	73.194	70.384	Ave		72.8883200				6.4		10.0			
PCB-1242 Peak 5	60.550 57.937	67.156	60.812	60.573	Ave		61.4054933				5.6		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 181753

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2013 15:26 Calibration End Date: 09/16/2013 16:22 Calibration ID: 29712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-181753/3	NR103767.D
Level 2	IC 460-181753/4	NR103768.D
Level 3	IC 460-181753/5	NR103769.D
Level 4	IC 460-181753/6	NR103770.D
Level 5	IC 460-181753/7	NR103771.D

ANALYTE	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
PCB-1242 Peak 1	Ave	5747	29936	60966	78612	123667	100	500	1000	1500	2500
PCB-1242 Peak 2	Ave	10295	48730	88980	129021	202083	100	500	1000	1500	2500
PCB-1242 Peak 3	Ave	23824	110862	204649	297327	467480	100	500	1000	1500	2500
PCB-1242 Peak 4	Ave	7707	38727	73194	105576	165849	100	500	1000	1500	2500
PCB-1242 Peak 5	Ave	6055	33578	60812	90859	144842	100	500	1000	1500	2500

Curve Type Legend:

Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103767.D
 Lims ID: IC 1242L1 Client ID:
 Inject. Date: 16-Sep-2013 15:26:15 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID:
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 68
 Lims Batch ID: 181753 Lims Sample ID: 3
 Sublist: chrom-608GC6*sub28
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\608GC6.m
 Last Update: 17-Sep-2013 12:19:10 Calib Date: 16-Sep-2013 16:22:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK036

First Level Reviewer: foleysont

Date:

17-Sep-2013 11:46:05

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

40 PCB-1242						M
1	2.763	2.760	0.003	1855	106.1	M
1	3.123	3.120	0.003	3697	114.2	M
1	3.607	3.607	0.0	6674	111.2	M
1	3.813	3.810	0.003	2926	104.5	M
1	3.997	3.997	0.0	1386	90.8	M

Average of Peak Amounts = 105.4

2	2.257	2.253	0.004	5747	102.6	M
2	2.500	2.497	0.003	10295	112.8	M
2	2.827	2.823	0.004	23824	113.5	M
2	2.933	2.930	0.003	7707	105.7	M
2	2.980	2.977	0.003	6055	98.6	M

Average of Peak Amounts = 106.6

RPD = 1.20

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 17-Sep-2013 12:19:10

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103767.D

Injection Date: 16-Sep-2013 15:26:15

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 181753

Lims Sample ID: 3

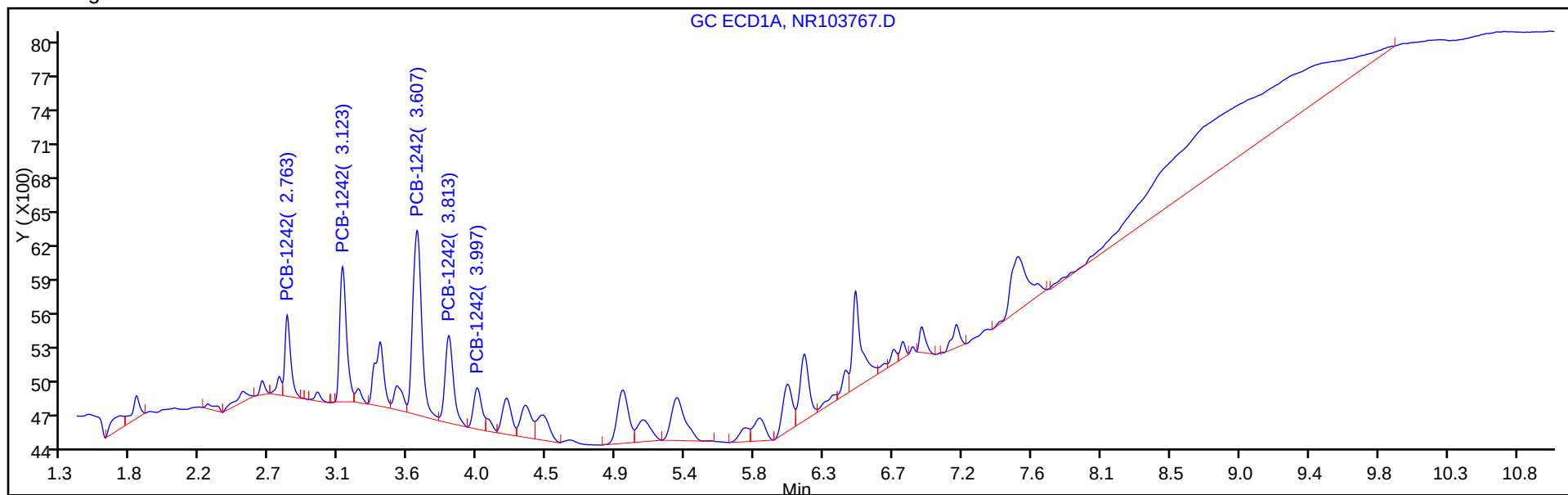
Operator ID:

Injection Vol: 1.0 ul

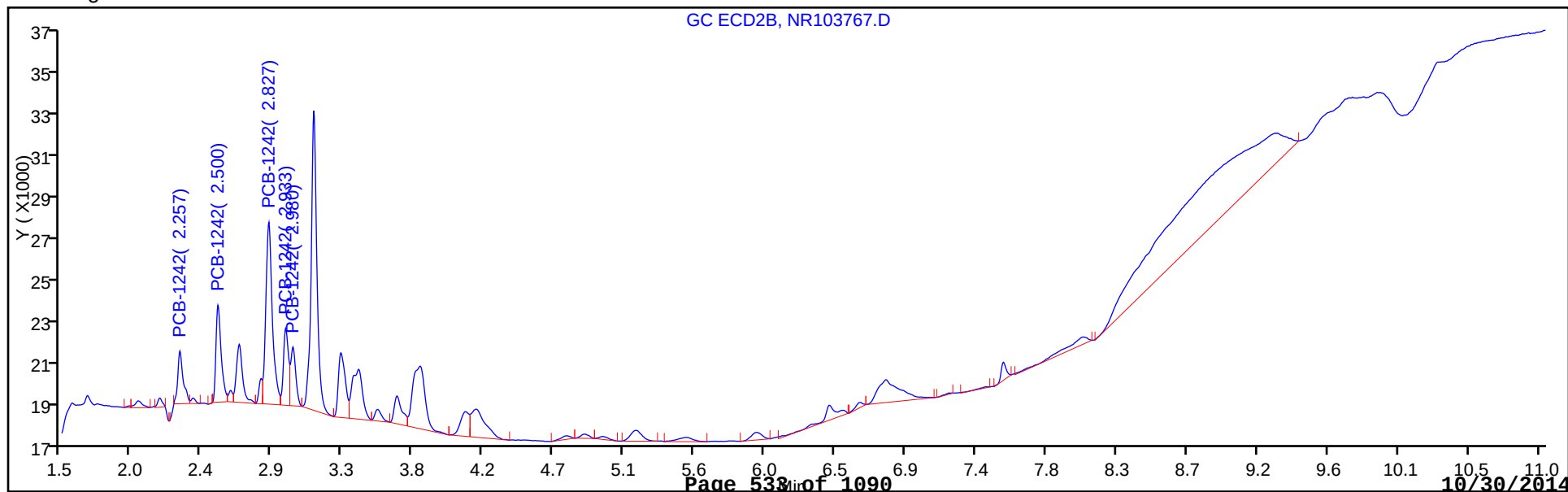
Column Type:

Column Dia:

Y Scaling:

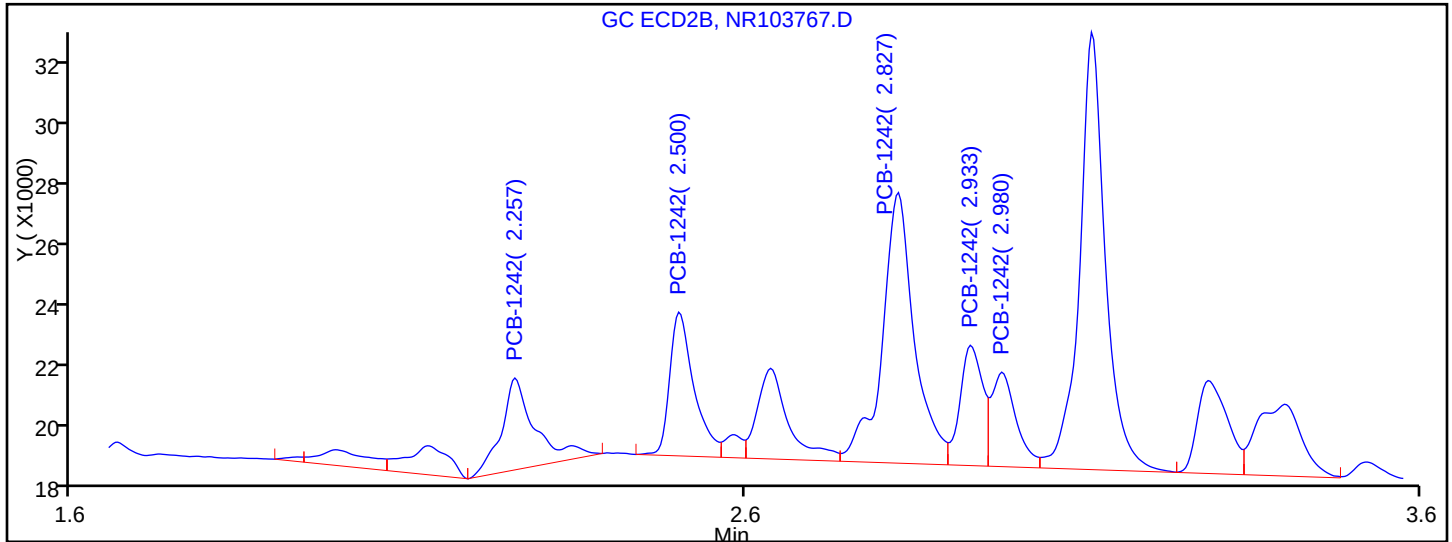


Y Scaling:



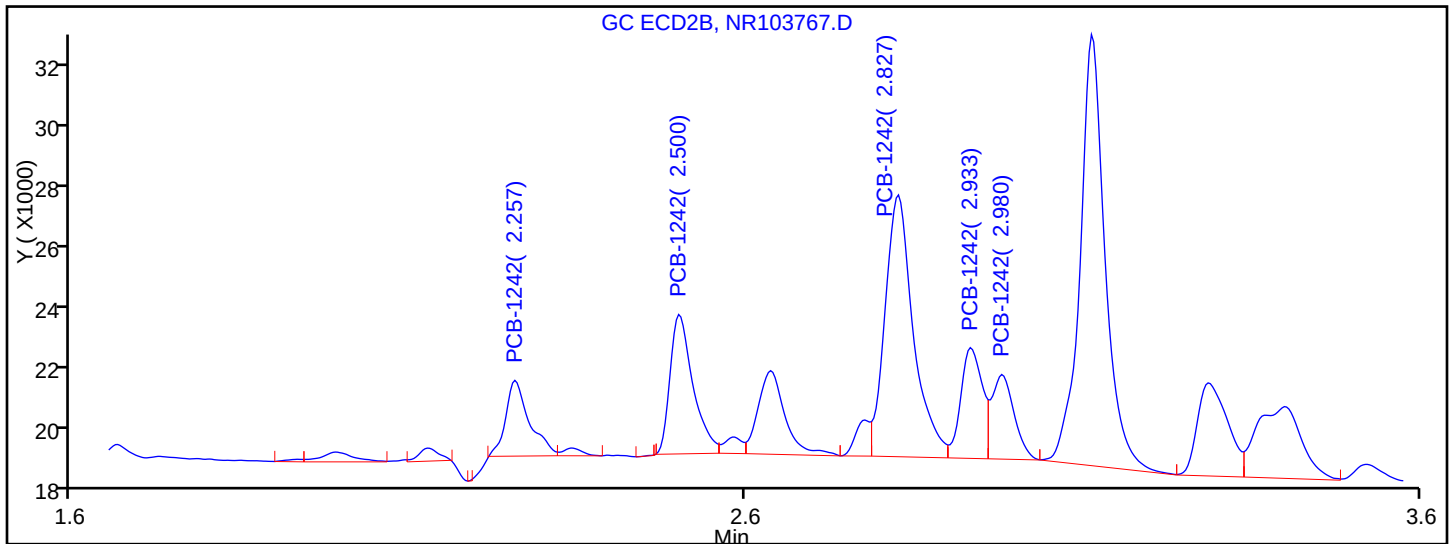
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103767.D
Injection Date: 16-Sep-2013 15:26:15 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 3
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
40 PCB-1242, Detector: 2, GC ECD2B



Processing Integration Results

RT = 2.257	Response = 10002	M
RT = 2.500	Response = 11289	M
RT = 2.827	Response = 28162	M
RT = 2.933	Response = 8774	M
RT = 2.980	Response = 7488	M



Manual Integration Results

RT = 2.257	Response = 5747	M
RT = 2.500	Response = 10295	M
RT = 2.827	Response = 23824	M
RT = 2.933	Response = 7707	M
RT = 2.980	Response = 6055	M

Reviewer: foleysont, 17-Sep-2013 11:52:41

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103768.D
 Lims ID: IC 1242L2 Client ID:
 Inject. Date: 16-Sep-2013 15:39:51 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID:
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 69
 Lims Batch ID: 181753 Lims Sample ID: 4
 Sublist: chrom-608GC6*sub28
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\608GC6.m
 Last Update: 17-Sep-2013 12:19:11 Calib Date: 16-Sep-2013 16:22:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK036

First Level Reviewer: foleysont

Date:

17-Sep-2013 11:45:41

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

40 PCB-1242						M
1	2.763	2.760	0.003	8218	470.1	M
1	3.120	3.120	0.0	16692	515.7	M
1	3.607	3.607	0.0	30117	501.7	M
1	3.813	3.810	0.003	13966	498.8	M
1	3.997	3.997	0.0	7304	478.6	M

Average of Peak Amounts = 493.0

2	2.257	2.253	0.004	29936	534.2	
2	2.500	2.497	0.003	48730	534.0	
2	2.823	2.823	0.0	110862	528.0	
2	2.933	2.930	0.003	38727	531.3	
2	2.980	2.977	0.003	33578	546.8	

Average of Peak Amounts = 534.9

RPD = 8.15

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 17-Sep-2013 12:19:11

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103768.D

Injection Date: 16-Sep-2013 15:39:51

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 181753

Lims Sample ID: 4

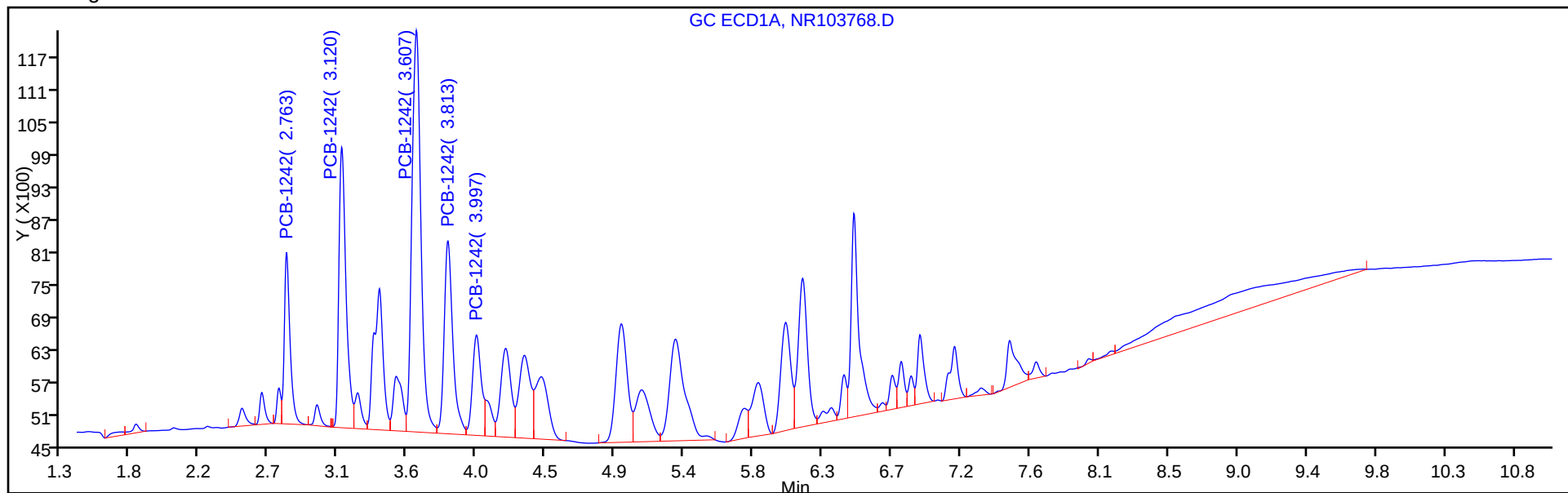
Operator ID:

Injection Vol: 1.0 ul

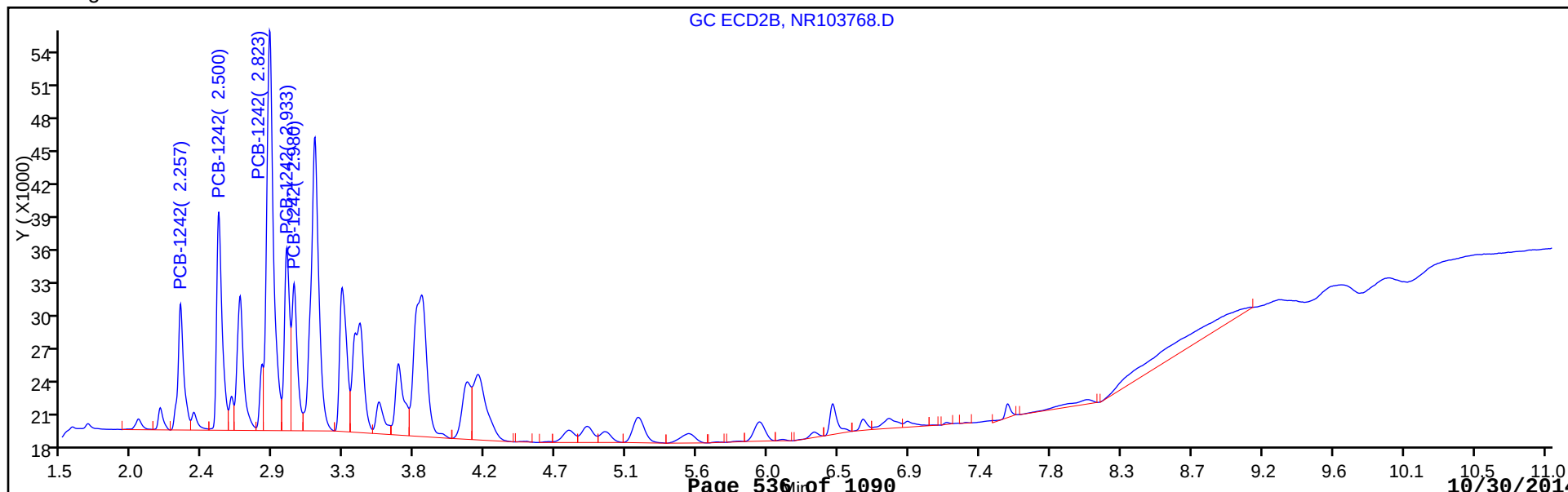
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103769.D
 Lims ID: IC 1242L3 Client ID:
 Inject. Date: 16-Sep-2013 15:53:32 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID:
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 70
 Lims Batch ID: 181753 Lims Sample ID: 5
 Sublist: chrom-608GC6*sub28
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\608GC6.m
 Last Update: 17-Sep-2013 12:19:12 Calib Date: 16-Sep-2013 16:22:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK036

First Level Reviewer: foleysont

Date:

17-Sep-2013 11:45:27

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

40 PCB-1242						M
1	2.760	2.760	0.0	19285	1103.3	M
1	3.120	3.120	0.0	32669	1009.2	M
1	3.607	3.607	0.0	60074	1000.8	M
1	3.810	3.810	0.0	28862	1030.8	M
1	3.997	3.997	0.0	16018	1049.7	M

Average of Peak Amounts = 1038.8

2	2.253	2.253	0.0	60966	1088.0	M
2	2.497	2.497	0.0	88980	975.2	
2	2.823	2.823	0.0	204649	974.7	M
2	2.930	2.930	0.0	73194	1004.2	
2	2.977	2.977	0.0	60812	990.3	

Average of Peak Amounts = 1006.5

RPD = 3.16

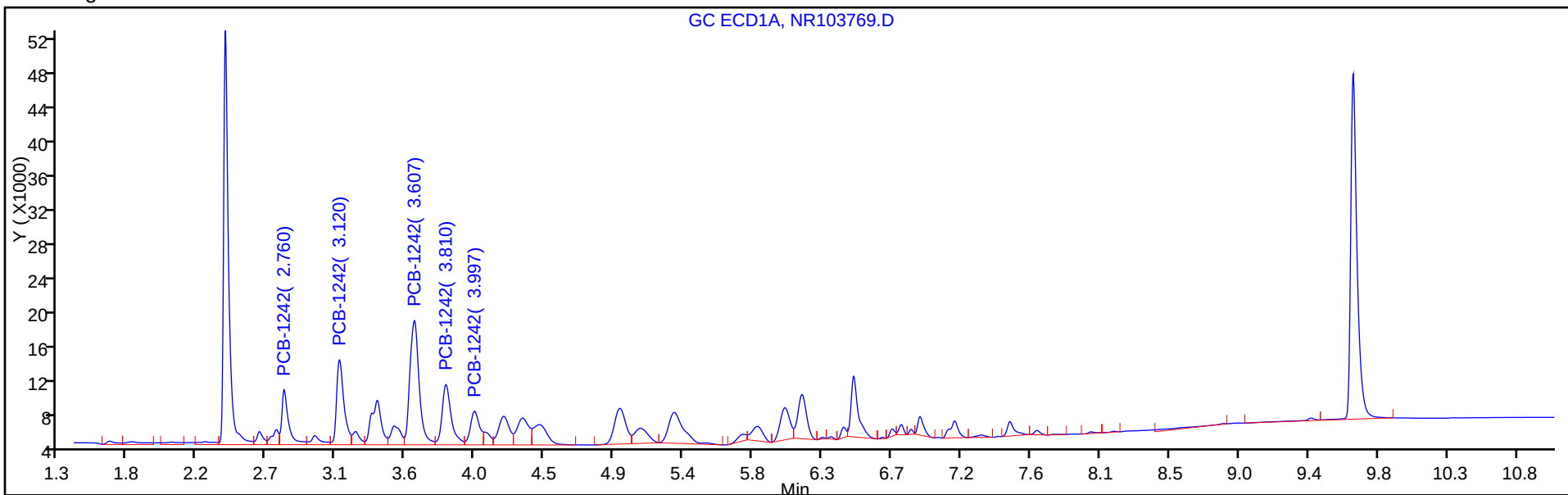
QC Flag Legend

Review Flags

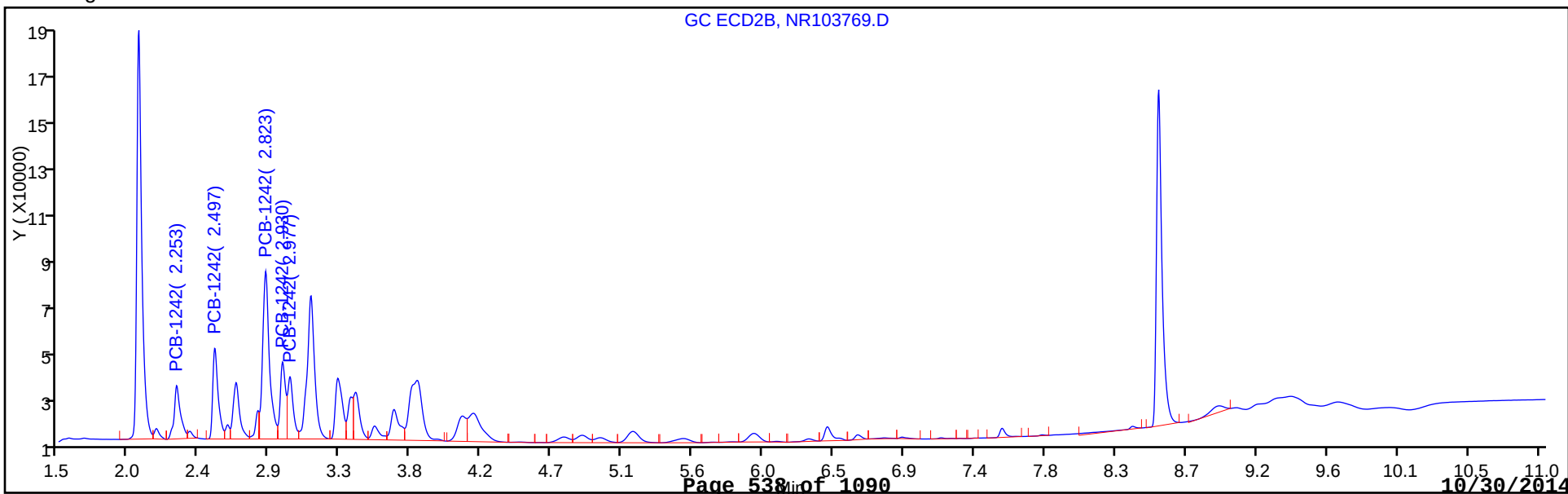
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103769.D
Injection Date: 16-Sep-2013 15:53:32 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 5
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:

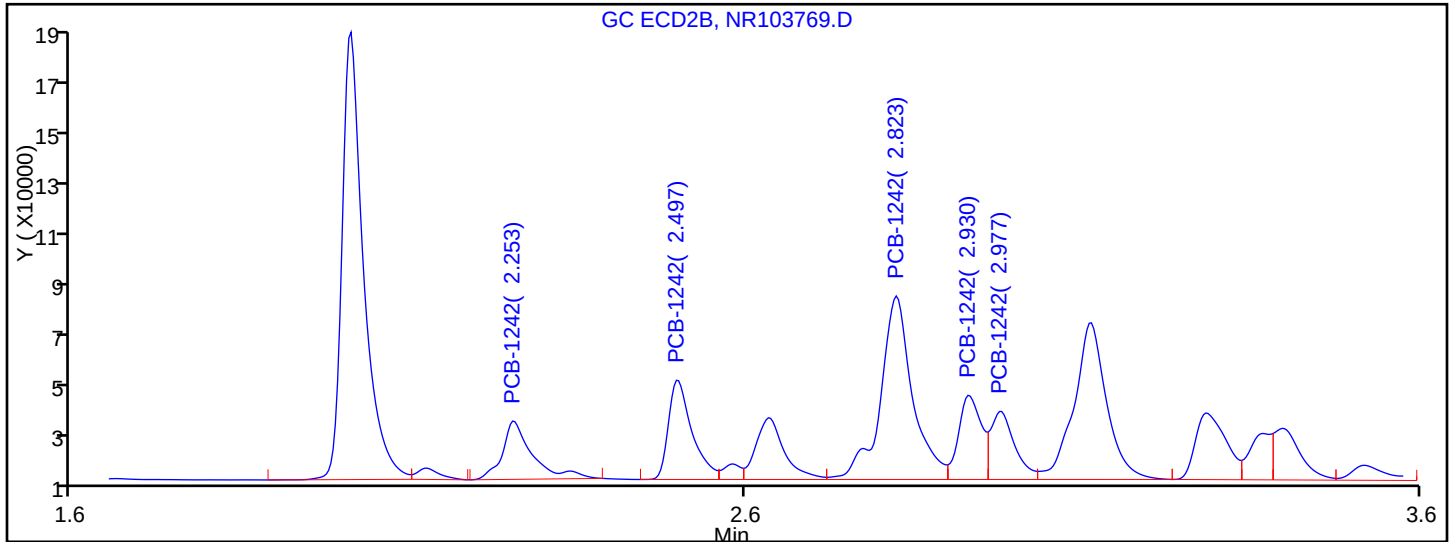


Y Scaling:



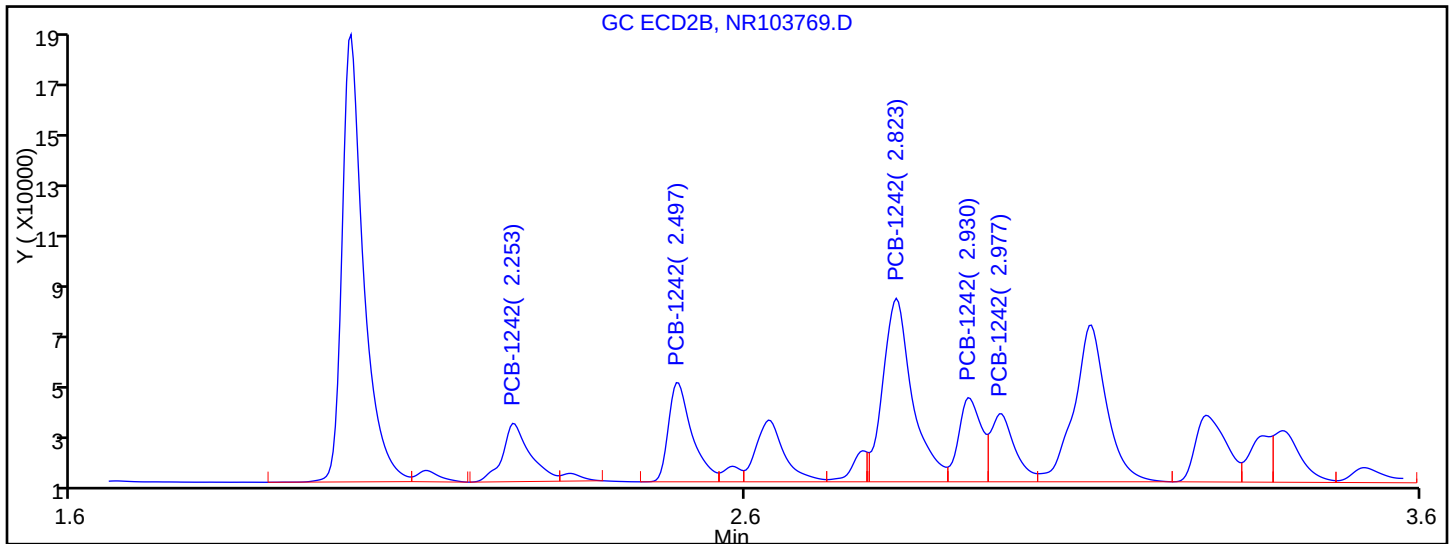
TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103769.D
Injection Date: 16-Sep-2013 15:53:32 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 5
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
40 PCB-1242, Detector: 2, GC ECD2B



Processing Integration Results

RT = 2.253	Response = 66594	M
RT = 2.497	Response = 88980	
RT = 2.823	Response = 224017	M
RT = 2.930	Response = 73194	
RT = 2.977	Response = 60812	



Manual Integration Results

RT = 2.253	Response = 60966	M
RT = 2.497	Response = 88980	
RT = 2.823	Response = 204649	M
RT = 2.930	Response = 73194	
RT = 2.977	Response = 60812	

Reviewer: foleysont, 17-Sep-2013 11:45:27

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103770.D
 Lims ID: IC 1242L4 Client ID:
 Inject. Date: 16-Sep-2013 16:07:55 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 4
 Sample ID:
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 71
 Lims Batch ID: 181753 Lims Sample ID: 6
 Sublist: chrom-608GC6*sub28
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\608GC6.m
 Last Update: 17-Sep-2013 12:19:14 Calib Date: 16-Sep-2013 16:22:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK036

First Level Reviewer: foleysont

Date:

17-Sep-2013 11:46:32

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

40 PCB-1242						M
1	2.763	2.760	0.003	26172	1497.3	M
1	3.123	3.120	0.003	46201	1427.3	M
1	3.610	3.607	0.003	87403	1456.1	M
1	3.817	3.810	0.007	41727	1490.3	M
1	4.003	3.997	0.006	24461	1603.0	M

Average of Peak Amounts = 1494.8

2	2.253	2.253	0.0	78612	1402.9	
2	2.500	2.497	0.003	129021	1414.0	
2	2.823	2.823	0.0	297327	1416.1	
2	2.930	2.930	0.0	105576	1448.5	
2	2.980	2.977	0.003	90859	1479.7	

Average of Peak Amounts = 1432.2

RPD = 4.28

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 17-Sep-2013 12:19:14

Chrom Revision: 2.1 25-Jul-2013 20:19:50

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103770.D

Injection Date: 16-Sep-2013 16:07:55

Limit Group: GC 608 ICAL

Client ID:

Instrument ID: CPESTGC6

Lims Batch ID: 181753

Lims Sample ID: 6

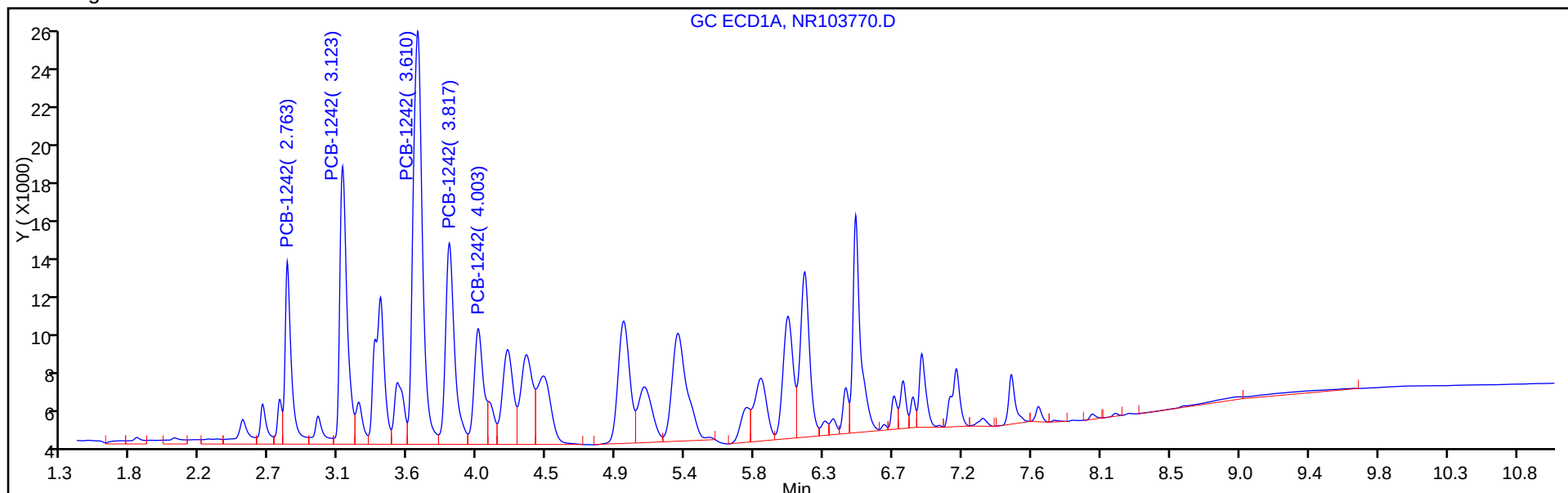
Operator ID:

Injection Vol: 1.0 ul

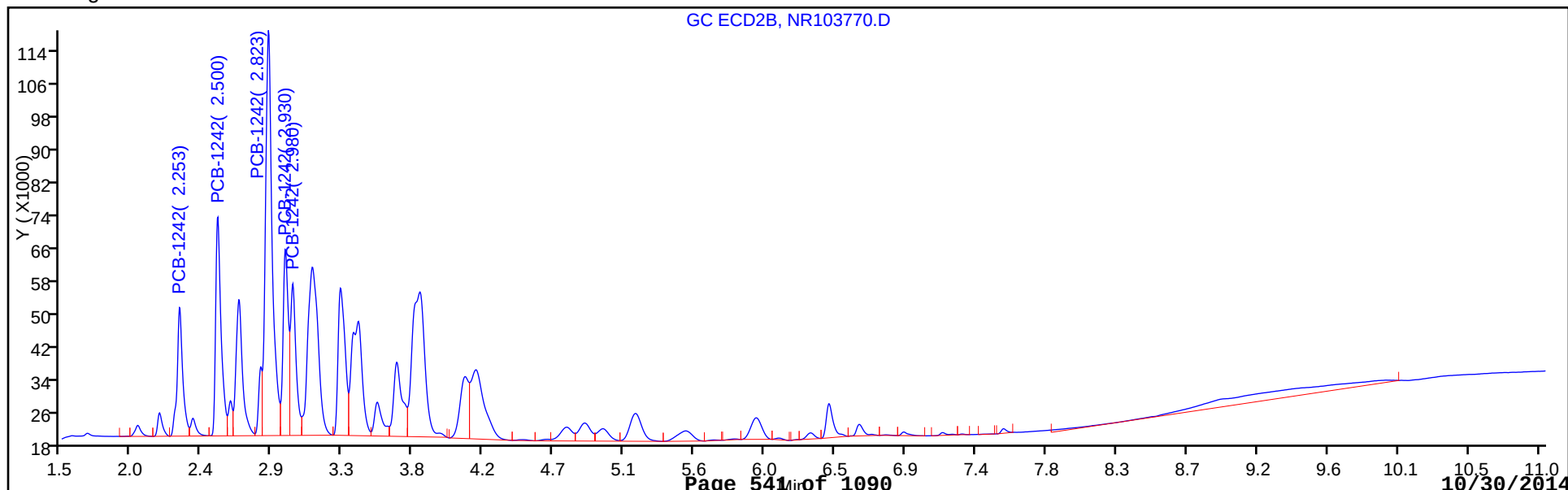
Column Type:

Column Dia:

Y Scaling:



Y Scaling:



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Lims ID: IC 1242L5 Client ID:
 Inject. Date: 16-Sep-2013 16:22:22 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID:
 Misc. Info.:
 Operator: Instrument ID: CPESTGC6
 Injection Vol: 1.0 ul ALS Bottle#: 72
 Lims Batch ID: 181753 Lims Sample ID: 7
 Sublist: chrom-608GC6*sub28
 Detector 1 : GC ECD1A
 Detector 2 : GC ECD2B
 Method: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\608GC6.m
 Last Update: 17-Sep-2013 12:19:16 Calib Date: 16-Sep-2013 16:22:22
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
 Limit Group: GC 608 ICAL
 Integrator: Falcon
 Column Type: Column Dia:
 Process Host: XAWRK036

First Level Reviewer: foleysont

Date:

17-Sep-2013 11:47:16

Det	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags

40 PCB-1242						M
1	2.763	2.760	0.003	39197	2242.4	M
1	3.123	3.120	0.003	70062	2164.4	M
1	3.613	3.607	0.006	137026	2282.8	M
1	3.817	3.810	0.007	65303	2332.4	M
1	4.003	3.997	0.006	38764	2540.3	M

Average of Peak Amounts = 2312.5

2	2.253	2.253	0.0	123667	2206.9	
2	2.500	2.497	0.003	202083	2214.7	
2	2.823	2.823	0.0	467480	2226.5	
2	2.933	2.930	0.003	165849	2275.4	
2	2.980	2.977	0.003	144842	2358.8	

Average of Peak Amounts = 2256.4

RPD = 2.45

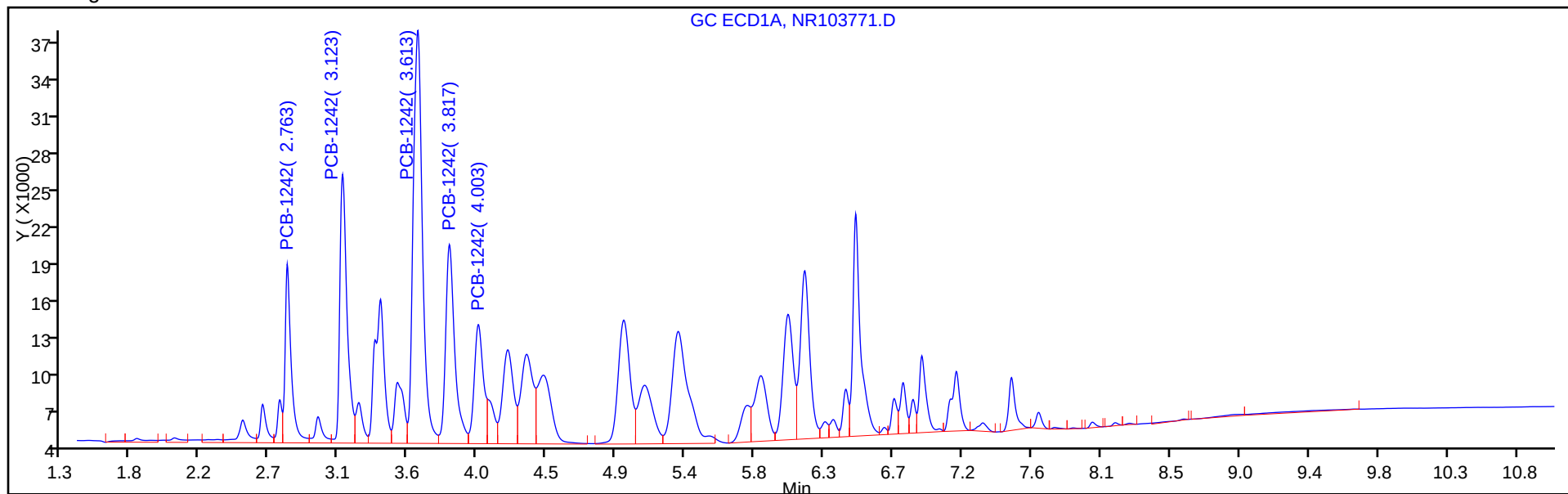
QC Flag Legend

Review Flags

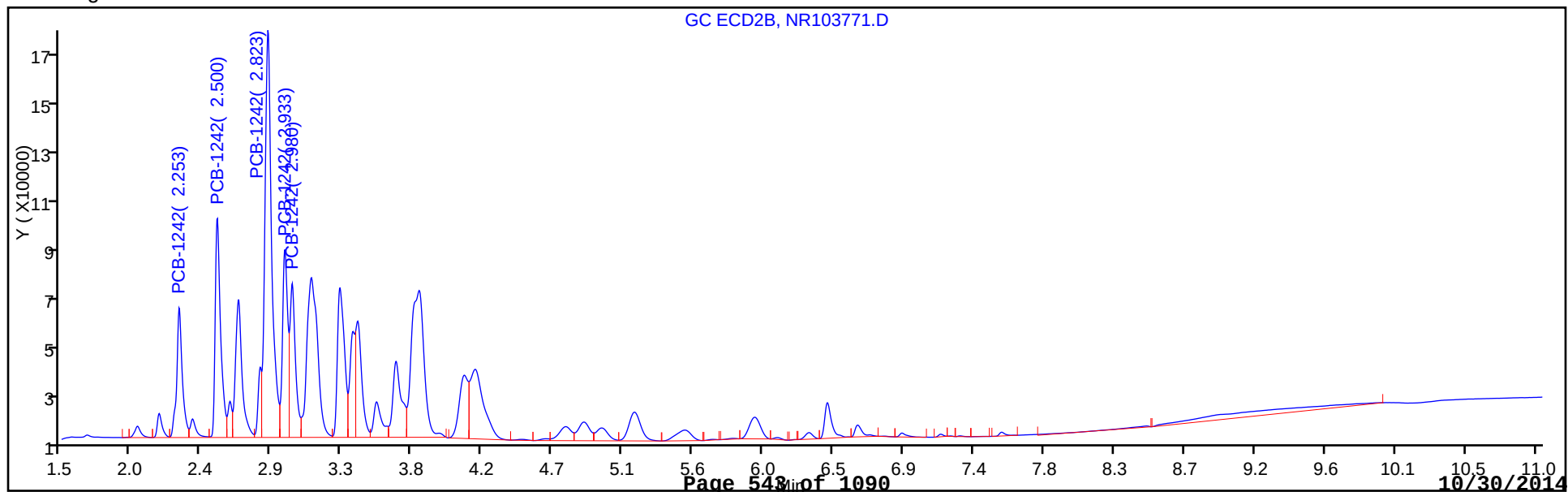
M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20130917-4717.b\NR103771.D
Injection Date: 16-Sep-2013 16:22:22 Limit Group: GC 608 ICAL
Client ID: Instrument ID: CPESTGC6
Lims Batch ID: 181753 Lims Sample ID: 7
Operator ID: Injection Vol: 1.0 ul
Column Type: Column Dia:
Y Scaling:



Y Scaling:



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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 212491

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 03:37 Calibration End Date: 03/14/2014 04:33 Calibration ID: 36520

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 1221L1	NR105289.D
Level 2	STD 1221L2	NR105290.D
Level 3	STD 1221L3	NR105291.D
Level 4	STD 1221L4	NR105292.D
Level 5	STD 1221L5	NR105293.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1221 Peak 1	1.907	1.907	1.903	1.900	1.903						1.803 - 2.003	1.904
PCB-1221 Peak 2	2.473	2.473	2.470	2.467	2.470						2.370 - 2.570	2.471
PCB-1221 Peak 3	2.580	2.580	2.577	2.573	2.577						2.477 - 2.677	2.577
PCB-1221 Peak 4	2.630	2.627	2.627	2.620	2.623						2.527 - 2.727	2.625
PCB-1221 Peak 5	3.393	3.393	3.390	3.387	3.390						3.290 - 3.490	3.391

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 212491

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 03:37 Calibration End Date: 03/14/2014 04:33 Calibration ID: 36520

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 1221L1	NR105289.D
Level 2	STD 1221L2	NR105290.D
Level 3	STD 1221L3	NR105291.D
Level 4	STD 1221L4	NR105292.D
Level 5	STD 1221L5	NR105293.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 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	12.530 11.340	11.790	11.765	11.331	Ave		11.7510533				4.2		10.0			
PCB-1221 Peak 2	11.890 12.018	12.936	11.511	11.353	Ave		11.9417467				5.2		10.0			
PCB-1221 Peak 3	5.1000 5.2900	5.4240	5.5880	5.0953	Ave		5.29946667				4.0		10.0			
PCB-1221 Peak 4	34.390 31.609	31.692	31.305	30.314	Ave		31.8620400				4.8		10.0			
PCB-1221 Peak 5	4.8100 4.7524	4.8300	4.5920	4.7127	Ave		4.73941333				2.0		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 212491

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 03:37 Calibration End Date: 03/14/2014 04:33 Calibration ID: 36520

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 1221L1	NR105289.D
Level 2	STD 1221L2	NR105290.D
Level 3	STD 1221L3	NR105291.D
Level 4	STD 1221L4	NR105292.D
Level 5	STD 1221L5	NR105293.D

ANALYTE	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
PCB-1221 Peak 1	Ave	1253	5895	11765	16996	28349	100	500	1000	1500	2500
PCB-1221 Peak 2	Ave	1189	6468	11511	17030	30046	100	500	1000	1500	2500
PCB-1221 Peak 3	Ave	510	2712	5588	7643	13225	100	500	1000	1500	2500
PCB-1221 Peak 4	Ave	3439	15846	31305	45471	79023	100	500	1000	1500	2500
PCB-1221 Peak 5	Ave	481	2415	4592	7069	11881	100	500	1000	1500	2500

Curve Type Legend:

Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105289.D
 Lims ID: STD 1221L1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 14-Mar-2014 03:37:16 ALS Bottle#: 60 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 1221 1
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub26
 Method: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 16-Mar-2014 13:46:30 Calib Date: 14-Mar-2014 04:33:52
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK006

First Level Reviewer: foleysont

Date: 14-Mar-2014 10:49:12

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

34 PCB-1221

M

1	1.907	1.903	0.004	1253	106.6	M
1	2.473	2.470	0.003	1189	99.6	M
1	2.580	2.577	0.003	510	96.2	M
1	2.630	2.627	0.003	3439	107.9	M
1	3.393	3.390	0.003	481	101.5	M

Average of Peak Amounts = 102.4

2	1.663	1.660	0.003	4277	106.5	M
2	2.120	2.120	0.0	4022	104.1	M
2	2.250	2.247	0.003	12180	108.2	M
2	2.577	2.577	0.0	1214	96.8	M
2	2.813	2.813	0.0	2009	103.8	M

Average of Peak Amounts = 103.9

RPD = 1.47

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105289.D

Injection Date: 14-Mar-2014 03:37:16

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD 1221L1

Worklist Smp#: 3

Client ID:

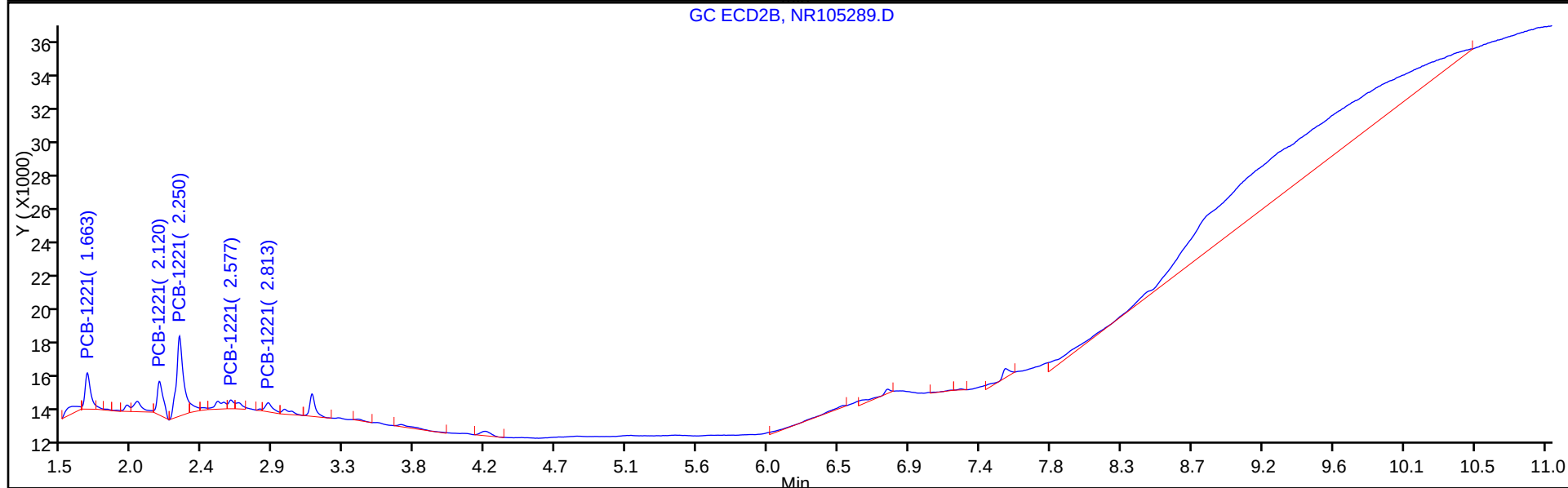
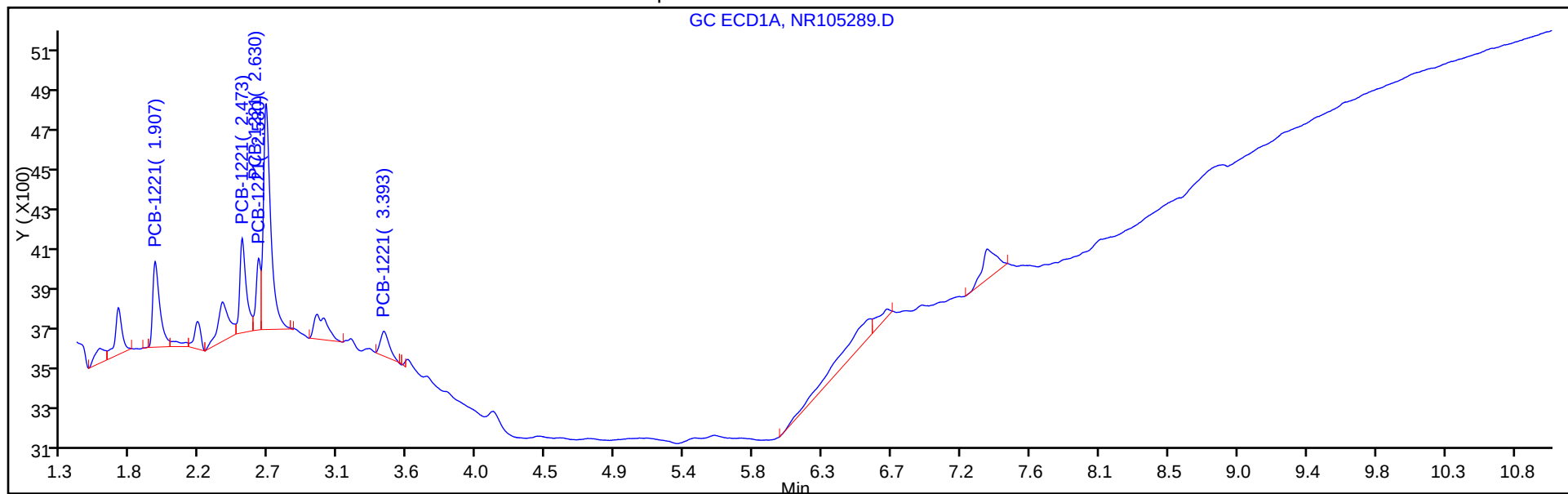
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 60

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105289.D

Injection Date: 14-Mar-2014 03:37:16

Instrument ID: CPESTGC6

Lims ID: STD 1221L1

Client ID:

Operator ID:

ALS Bottle#:

60

Worklist Smp#:

3

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

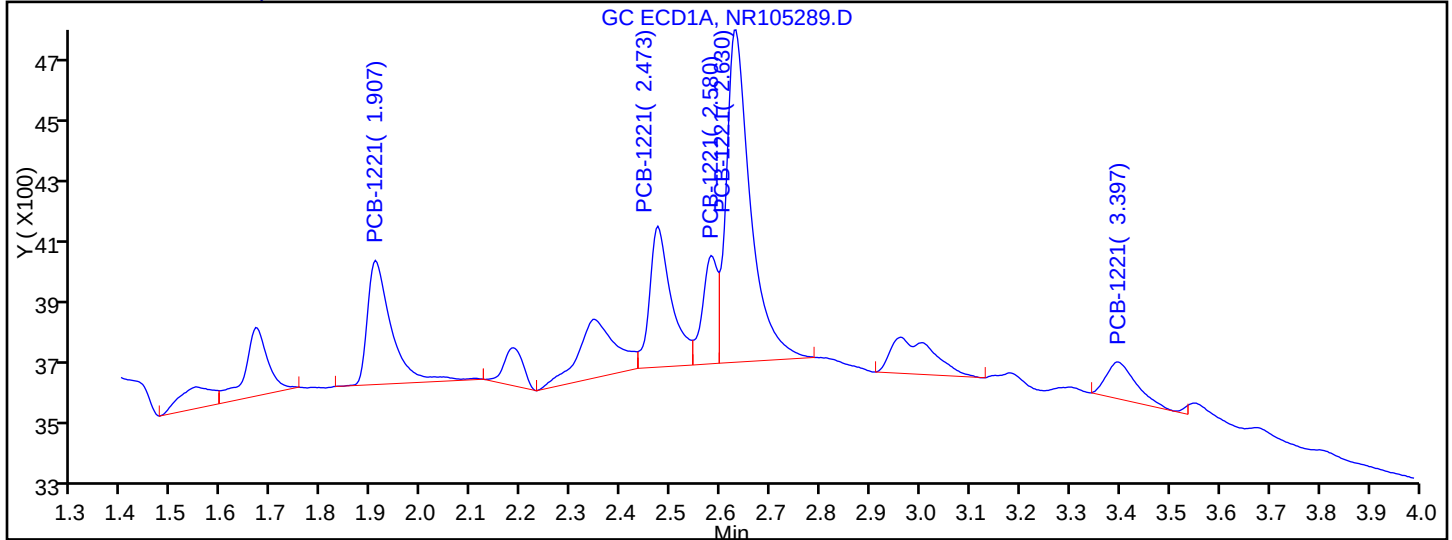
Limit Group:

GC 608 ICAL

Column:

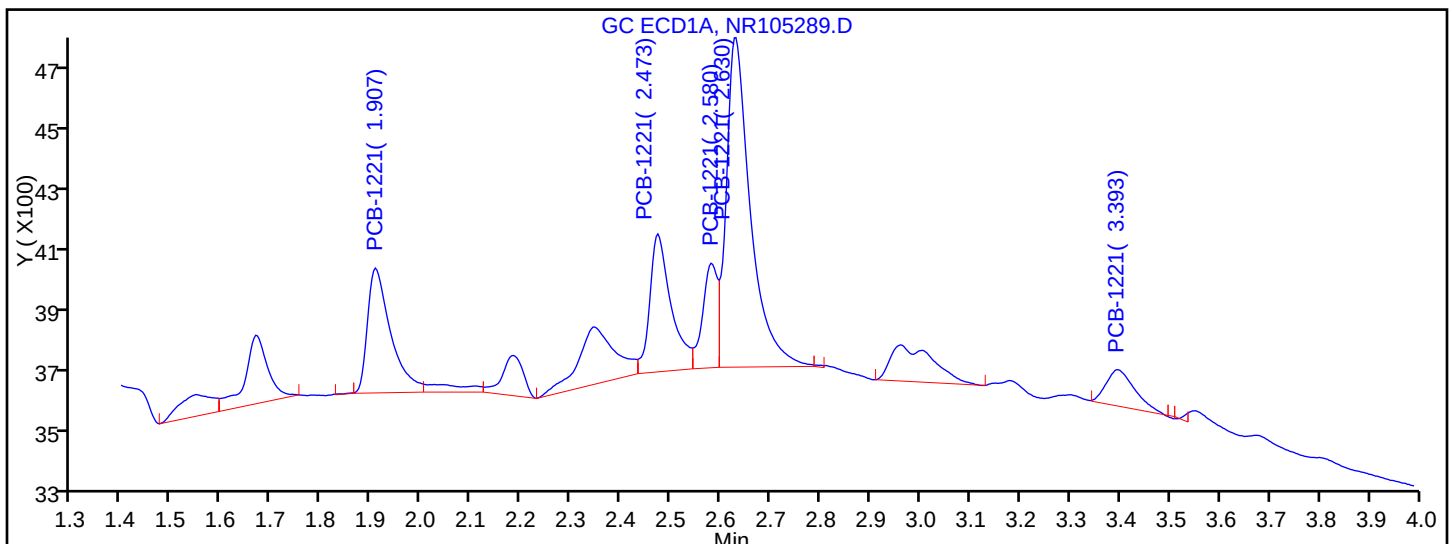
Detector

GC ECD1A

34 PCB-1221, CAS: 11104-28-2

Processing Integration Results

RT = 1.907	Response = 1369	M
RT = 2.473	Response = 1426	M
RT = 2.580	Response = 761	M
RT = 2.630	Response = 3701	M
RT = 3.397	Response = 526	M



Manual Integration Results

RT = 1.907	Response = 1253	M
RT = 2.473	Response = 1189	M
RT = 2.580	Response = 510	M
RT = 2.630	Response = 3439	M
RT = 3.393	Response = 481	M

Reviewer: foleysont, 14-Mar-2014 11:54:57

Audit Action: Split an Integrated Peak

Page 549 of 1090

10/30/2014

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105290.D
 Lims ID: STD 1221L2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 14-Mar-2014 03:51:41 ALS Bottle#: 61 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 2
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub26
 Method: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 16-Mar-2014 13:46:31 Calib Date: 14-Mar-2014 04:33:52
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK006

First Level Reviewer: foleysont

Date: 14-Mar-2014 10:49:46

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

34 PCB-1221 M

1 1.907 1.903 0.004 5895 501.7 M

1 2.473 2.470 0.003 6468 541.6 M

1 2.580 2.577 0.003 2712 511.7 M

1 2.627 2.627 0.0 15846 497.3 M

1 3.393 3.390 0.003 2415 509.6 M

Average of Peak Amounts = 512.4

2 1.660 1.660 0.0 20849 519.4 M

2 2.120 2.120 0.0 19961 516.5 M

2 2.250 2.247 0.003 58537 520.0 M

2 2.577 2.577 0.0 6265 499.8 M

2 2.817 2.813 0.004 9636 497.8 M

Average of Peak Amounts = 510.7

RPD = 0.33

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105290.D

Injection Date: 14-Mar-2014 03:51:41

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD 1221L2

Worklist Smp#: 4

Client ID:

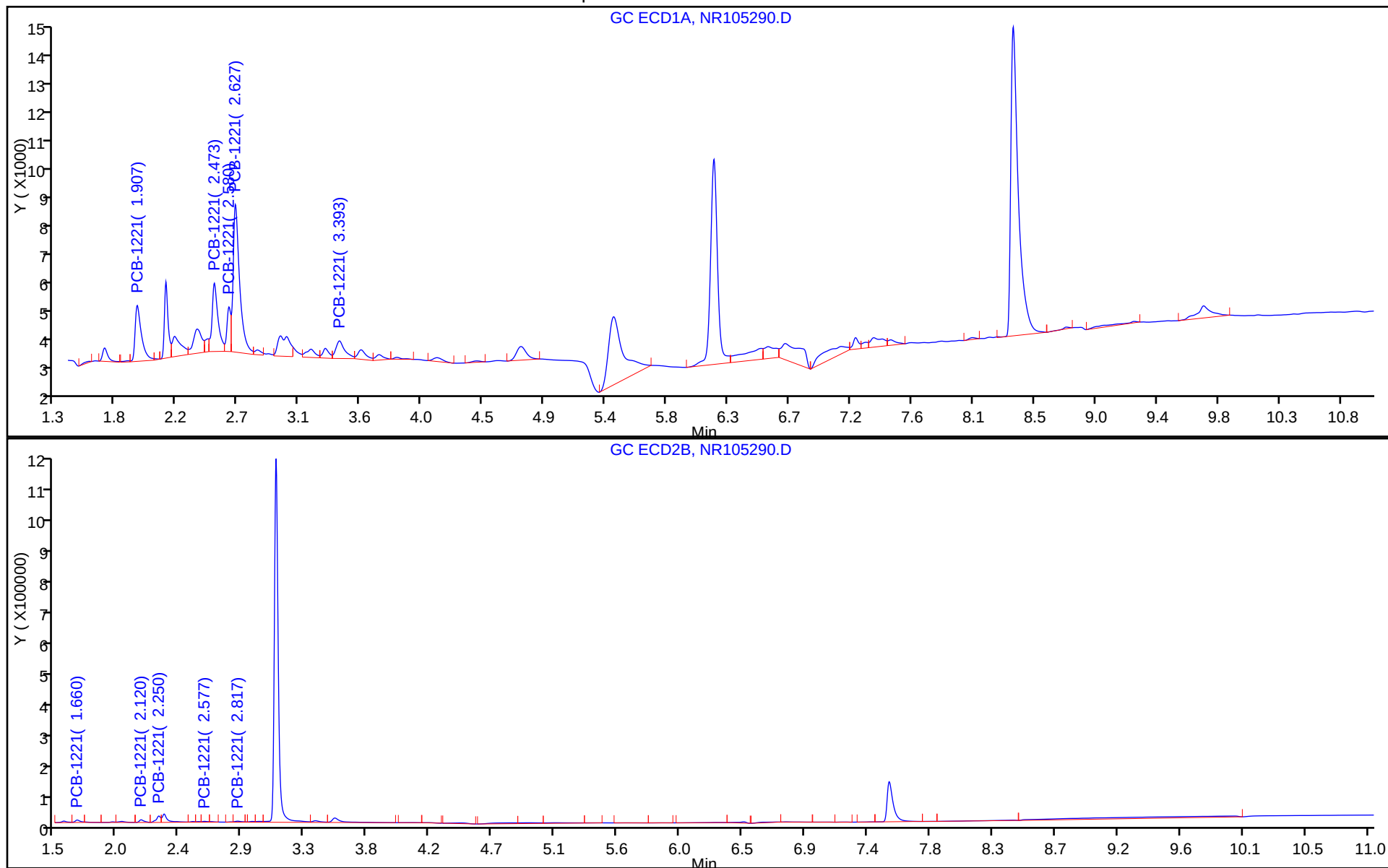
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 61

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105290.D

Injection Date: 14-Mar-2014 03:51:41

Instrument ID: CPESTGC6

Lims ID: STD 1221L2

Client ID:

Operator ID:

ALS Bottle#:

61

Worklist Smp#:

4

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

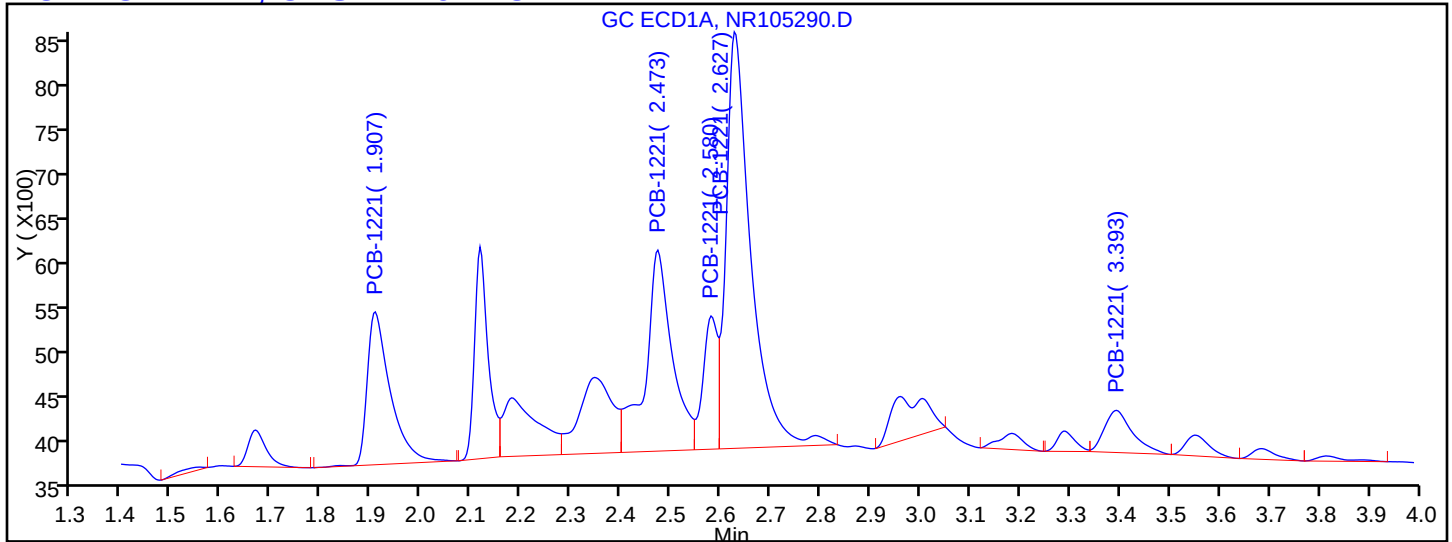
Limit Group:

GC 608 ICAL

Column:

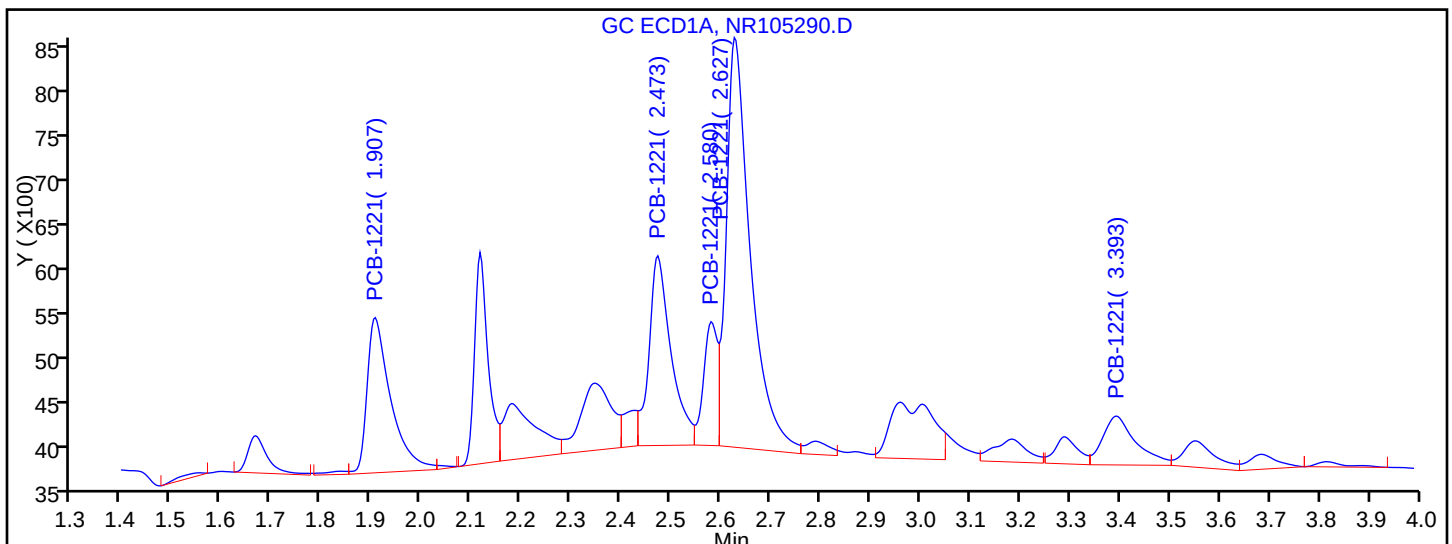
Detector

GC ECD1A

34 PCB-1221, CAS: 11104-28-2

Processing Integration Results

RT = 1.907	Response = 5527	M
RT = 2.473	Response = 8463	M
RT = 2.580	Response = 3064	M
RT = 2.627	Response = 16154	M
RT = 3.393	Response = 1856	M



Manual Integration Results

RT = 1.907	Response = 5895	M
RT = 2.473	Response = 6468	M
RT = 2.580	Response = 2712	M
RT = 2.627	Response = 15846	M
RT = 3.393	Response = 2415	M

Reviewer: foleysont, 14-Mar-2014 10:49:46

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105291.D
 Lims ID: STD 1221L3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 14-Mar-2014 04:05:53 ALS Bottle#: 62 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 3
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub26
 Method: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 16-Mar-2014 13:46:32 Calib Date: 14-Mar-2014 04:33:52
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK006

First Level Reviewer: foleysont

Date: 14-Mar-2014 10:48:09

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

34 PCB-1221

M

1	1.903	1.903	0.0	11765	1001.2	M
1	2.470	2.470	0.0	11511	963.9	M
1	2.577	2.577	0.0	5588	1054.4	M
1	2.627	2.627	0.0	31305	982.5	M
1	3.390	3.390	0.0	4592	968.9	M

Average of Peak Amounts = 994.2

2	1.660	1.660	0.0	39692	988.8	M
2	2.120	2.120	0.0	41790	1081.3	M
2	2.247	2.247	0.0	110811	984.4	M
2	2.577	2.577	0.0	13561	1081.8	M
2	2.813	2.813	0.0	19572	1011.1	M

Average of Peak Amounts = 1029.5

RPD = 3.49

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105291.D

Injection Date: 14-Mar-2014 04:05:53

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD 1221L3

Worklist Smp#: 5

Client ID:

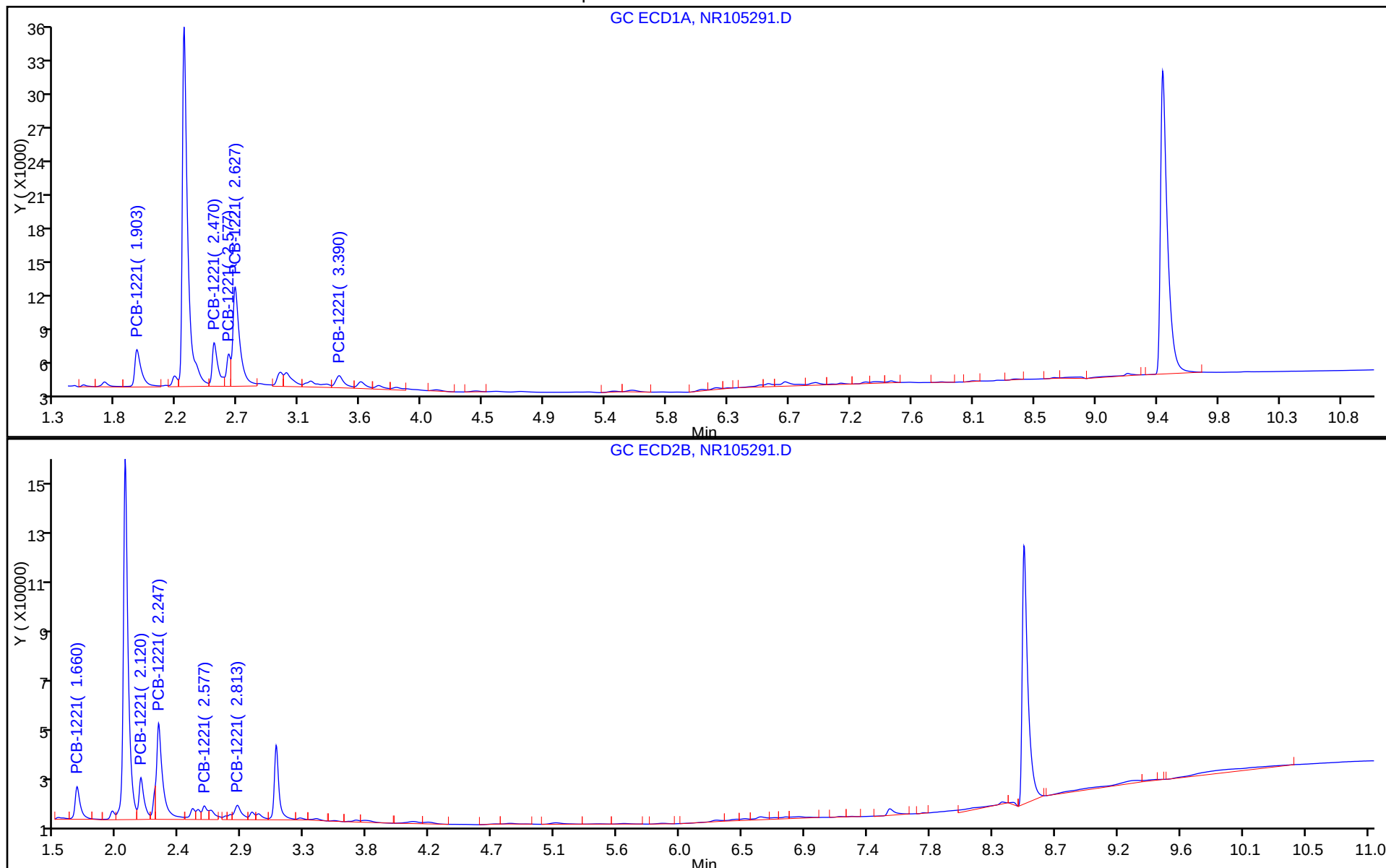
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 62

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105291.D

Injection Date: 14-Mar-2014 04:05:53

Instrument ID: CPESTGC6

Lims ID: STD 1221L3

Client ID:

Operator ID:

ALS Bottle#:

62

Worklist Smp#:

5

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

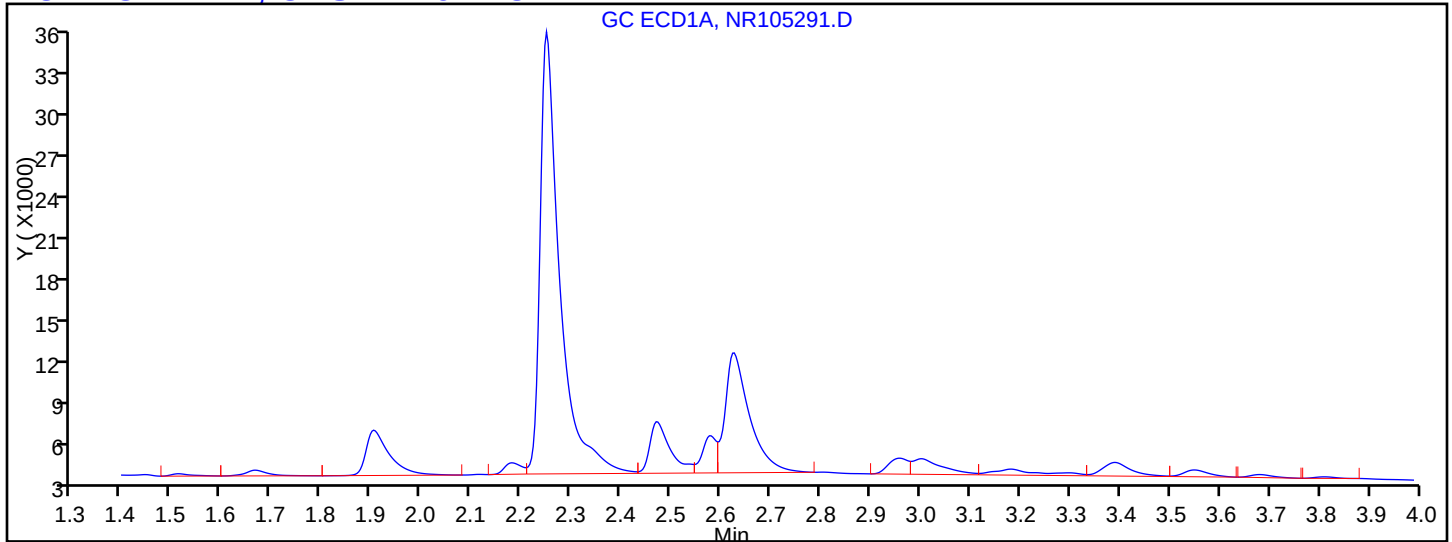
Limit Group:

GC 608 ICAL

Column:

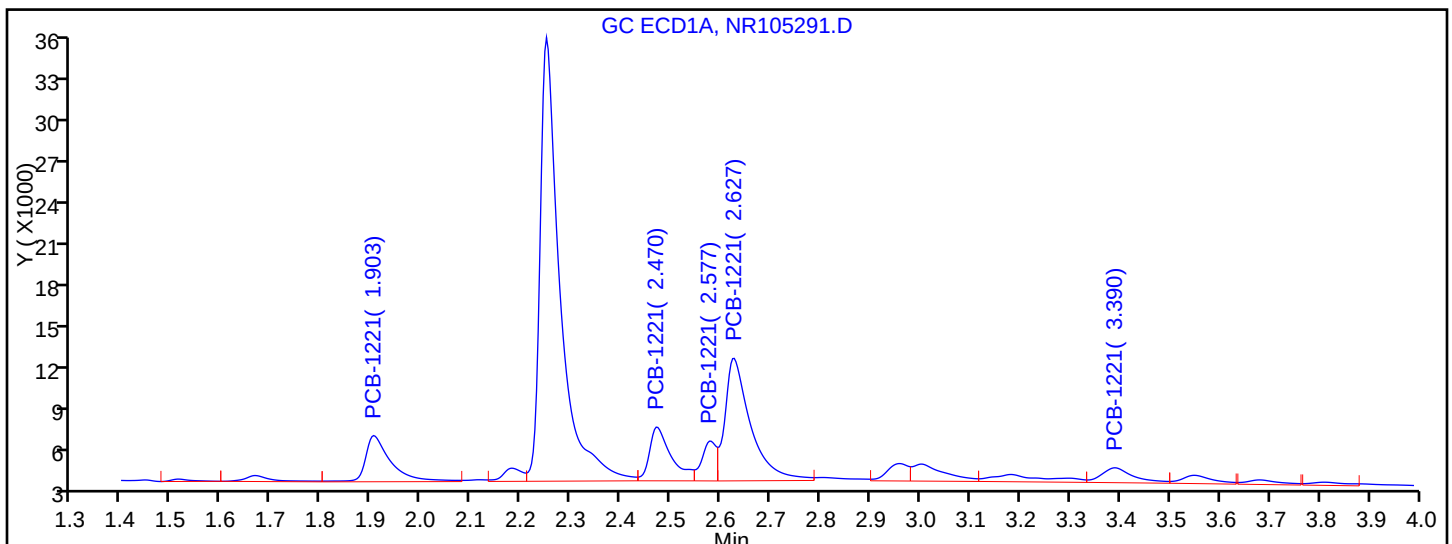
Detector

GC ECD1A

34 PCB-1221, CAS: 11104-28-2

Processing Integration Results

RT = 2.180	Response = 1938	M
RT = 2.627	Response = 28672	M
RT = 0.000	Response = 0	M
RT = 0.000	Response = 0	M
RT = 3.183	Response = 2782	M



Manual Integration Results

RT = 1.903	Response = 11765	M
RT = 2.470	Response = 11511	M
RT = 2.577	Response = 5588	M
RT = 2.627	Response = 31305	M
RT = 3.390	Response = 4592	M

Reviewer: foleysont, 14-Mar-2014 11:37:06

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105292.D
 Lims ID: STD 1221L4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 14-Mar-2014 04:19:33 ALS Bottle#: 63 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 4
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub26
 Method: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 16-Mar-2014 13:46:33 Calib Date: 14-Mar-2014 04:33:52
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK006

First Level Reviewer: foleysont

Date: 14-Mar-2014 10:51:58

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

34 PCB-1221

M

1	1.900	1.903	-0.003	16996	1446.3	M
1	2.467	2.470	-0.003	17030	1426.1	M
1	2.573	2.577	-0.004	7643	1442.2	M
1	2.620	2.627	-0.007	45471	1427.1	M
1	3.387	3.390	-0.003	7069	1491.5	M

Average of Peak Amounts = 1446.7

2	1.660	1.660	0.0	58336	1453.3	M
2	2.120	2.120	0.0	53813	1392.3	M
2	2.247	2.247	0.0	156917	1394.0	M
2	2.577	2.577	0.0	18954	1512.0	M
2	2.813	2.813	0.0	29864	1542.8	M

Average of Peak Amounts = 1458.9

RPD = 0.84

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105292.D

Injection Date: 14-Mar-2014 04:19:33

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD 1221L4

Worklist Smp#: 6

Client ID:

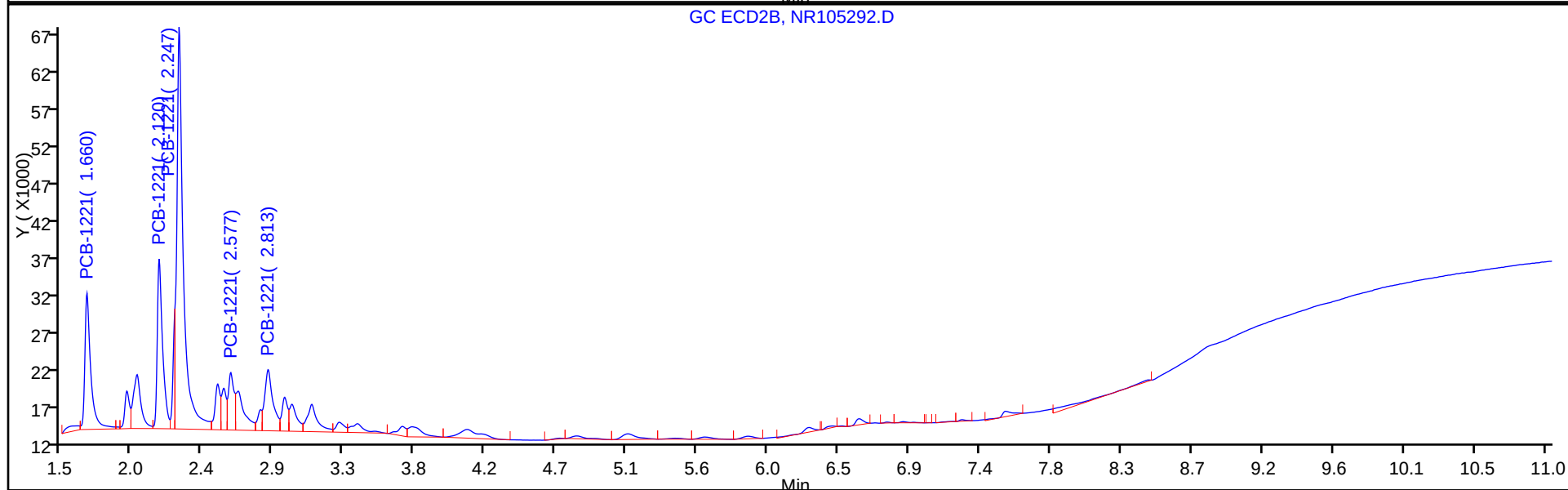
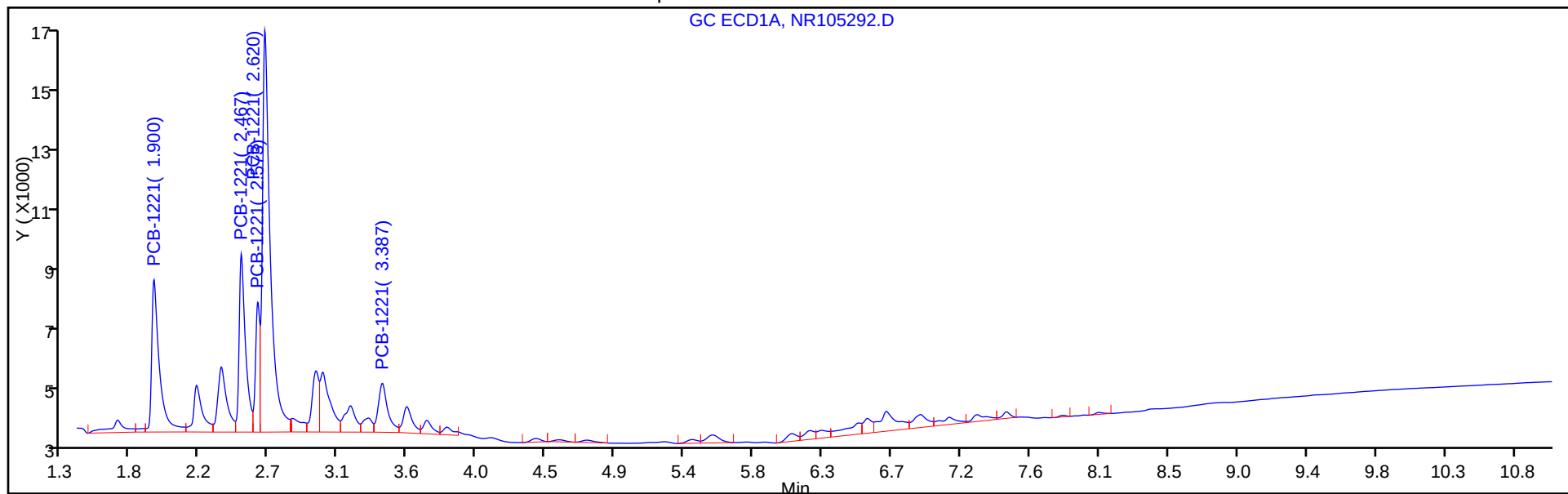
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 63

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105292.D

Injection Date: 14-Mar-2014 04:19:33

Instrument ID: CPESTGC6

Lims ID: STD 1221L4

Client ID:

Operator ID:

ALS Bottle#:

63

Worklist Smp#:

6

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

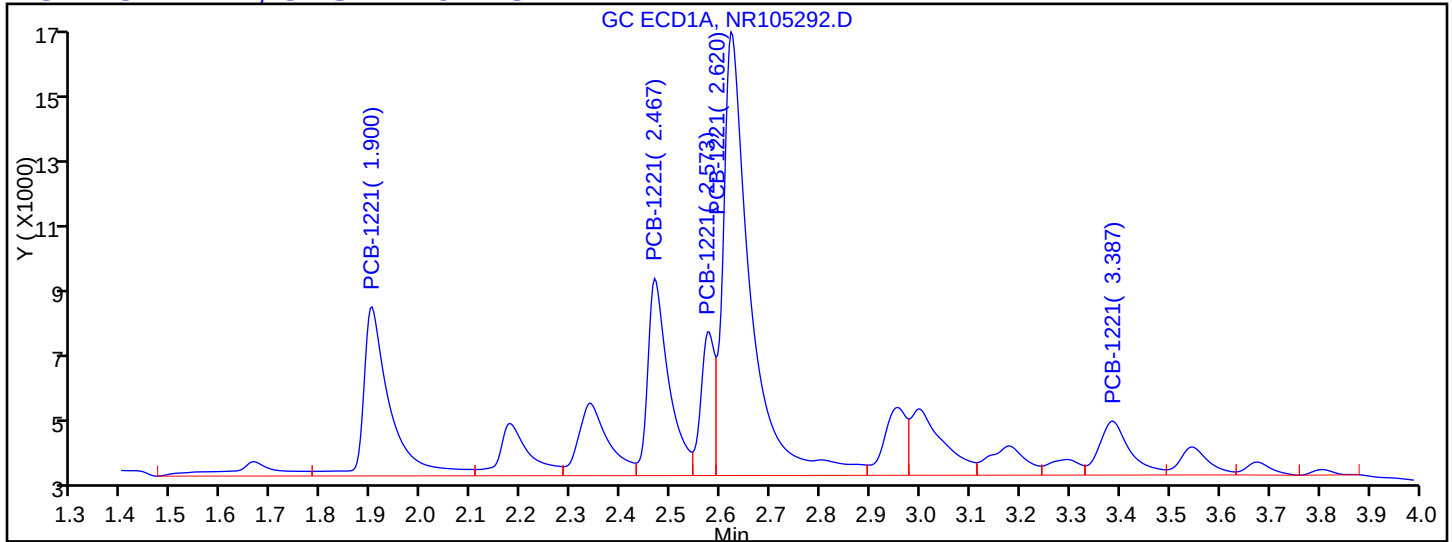
Limit Group:

GC 608 ICAL

Column:

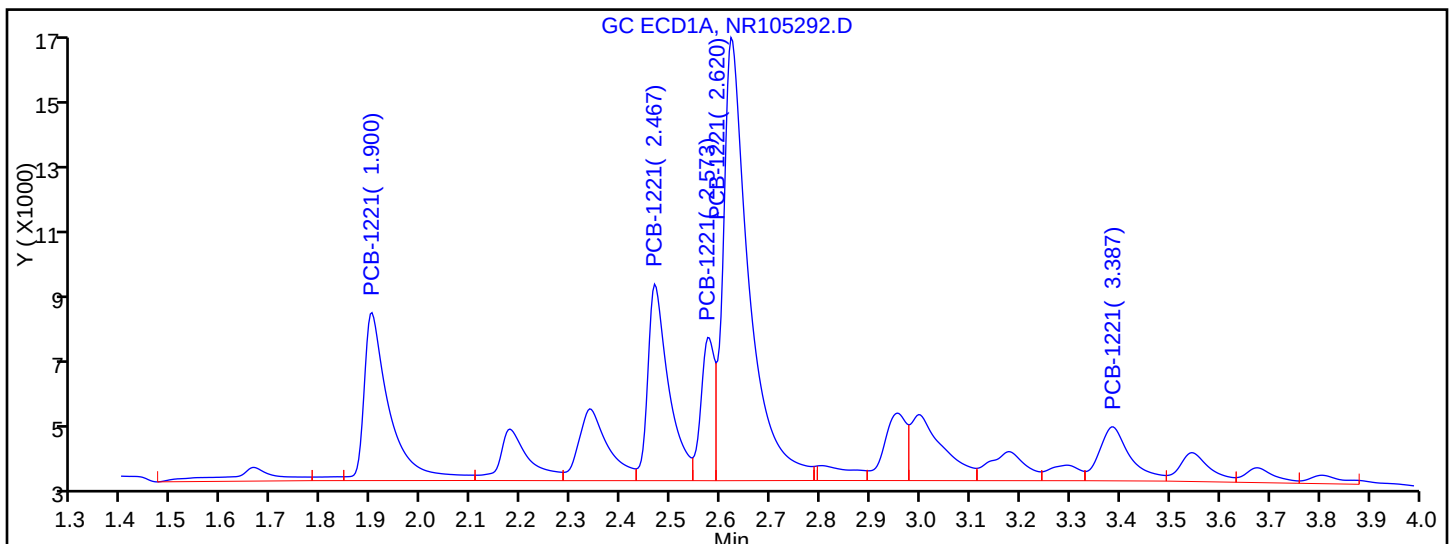
Detector

GC ECD1A

34 PCB-1221, CAS: 11104-28-2

Processing Integration Results

RT = 1.900	Response = 17978	M
RT = 2.467	Response = 16465	M
RT = 2.573	Response = 7716	M
RT = 2.620	Response = 48067	M
RT = 3.387	Response = 6604	M



Manual Integration Results

RT = 1.900	Response = 16996	M
RT = 2.467	Response = 17030	M
RT = 2.573	Response = 7643	M
RT = 2.620	Response = 45471	M
RT = 3.387	Response = 7069	M

Reviewer: foleysont, 14-Mar-2014 11:39:19

Audit Action: Assigned New Baseline

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10/30/2014

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Lims ID: STD 1221L5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 14-Mar-2014 04:33:52 ALS Bottle#: 64 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 5
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub26
 Method: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 16-Mar-2014 13:46:34 Calib Date: 14-Mar-2014 04:33:52
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK006

First Level Reviewer: foleysont

Date: 14-Mar-2014 10:50:25

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

34 PCB-1221 M

1 1.903 1.903 0.0 28349 2412.5 M

1 2.470 2.470 0.0 30046 2516.0 M

1 2.577 2.577 0.0 13225 2495.5 M

1 2.623 2.627 -0.004 79023 2480.2 M

1 3.390 3.390 0.0 11881 2506.9 M

Average of Peak Amounts = 2482.2

2 1.660 1.660 0.0 94142 2345.3 M

2 2.120 2.120 0.0 88600 2292.4 M

2 2.247 2.247 0.0 271349 2410.6 M

2 2.577 2.577 0.0 29533 2355.8 M

2 2.813 2.813 0.0 44855 2317.2 M

Average of Peak Amounts = 2344.3

RPD = 5.72

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D

Injection Date: 14-Mar-2014 04:33:52

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD 1221L5

Worklist Smp#: 7

Client ID:

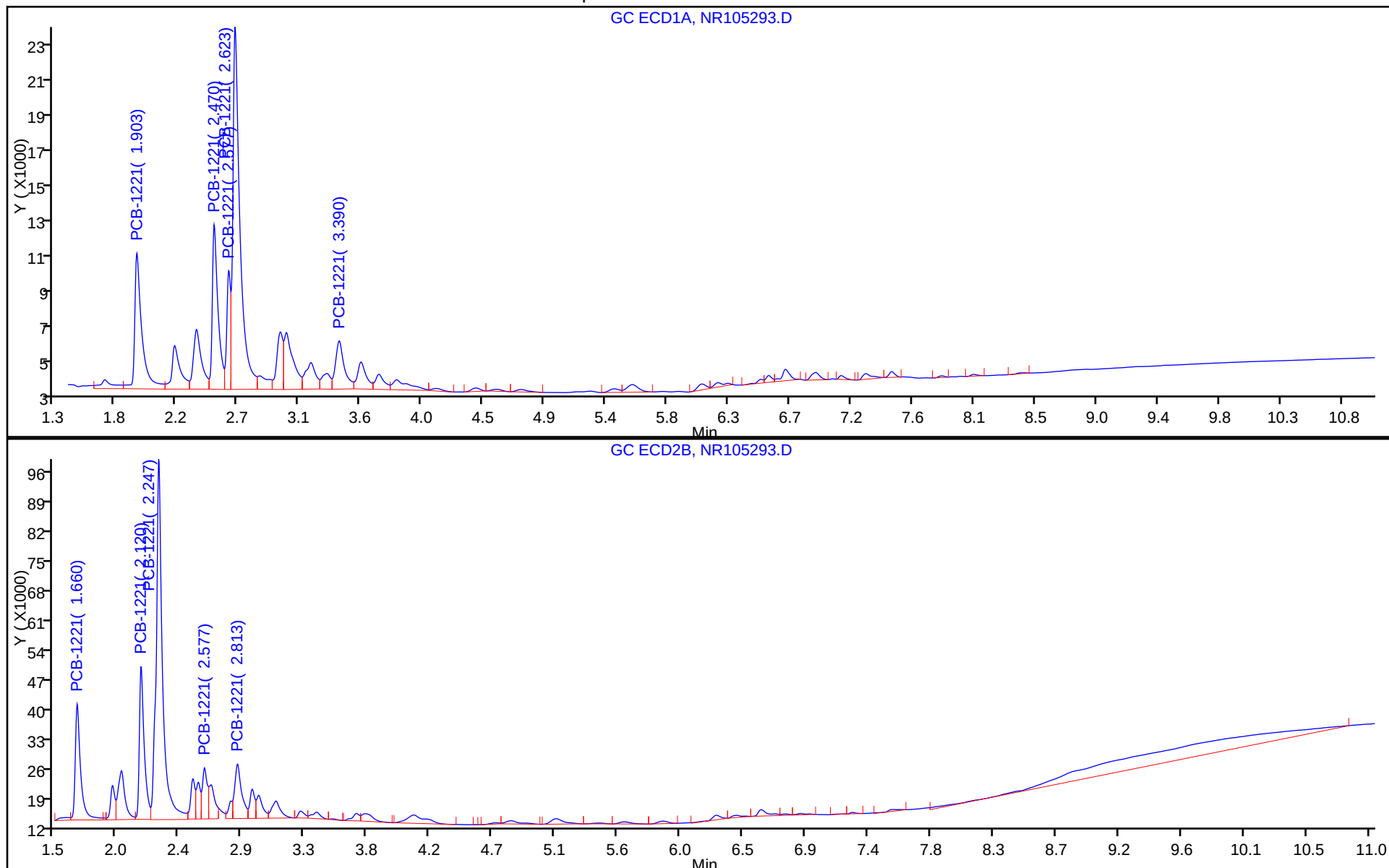
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 64

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D

Injection Date: 14-Mar-2014 04:33:52

Instrument ID: CPESTGC6

Lims ID: STD 1221L5

Client ID:

Operator ID:

ALS Bottle#:

64

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

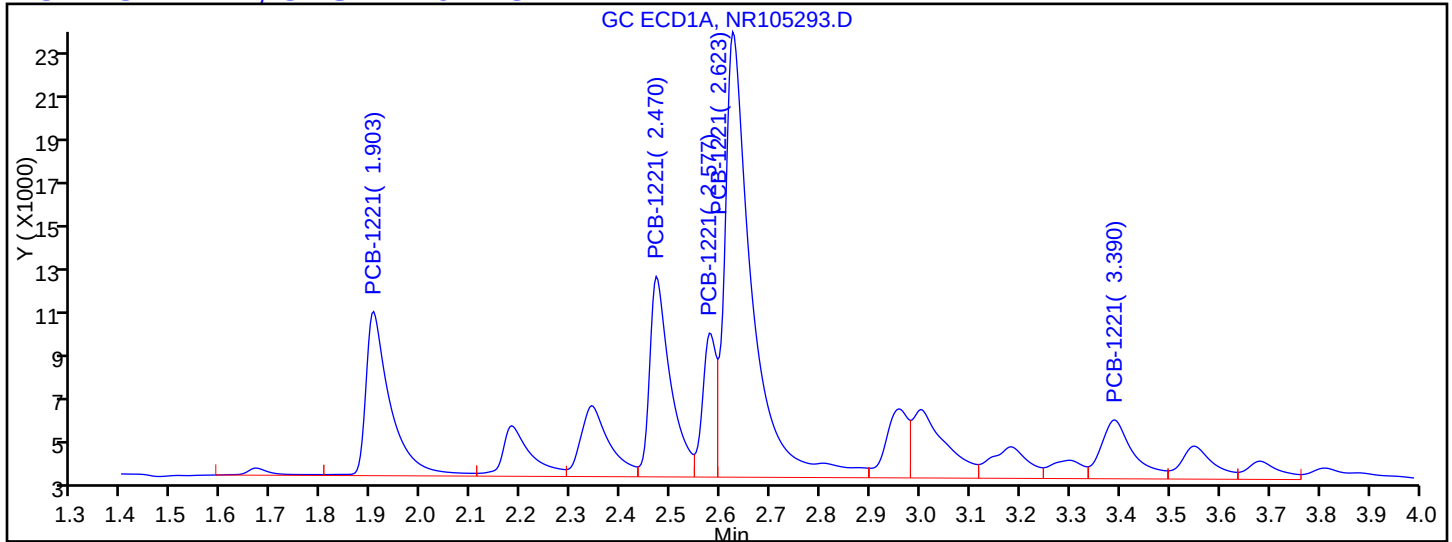
Limit Group:

GC 608 ICAL

Column:

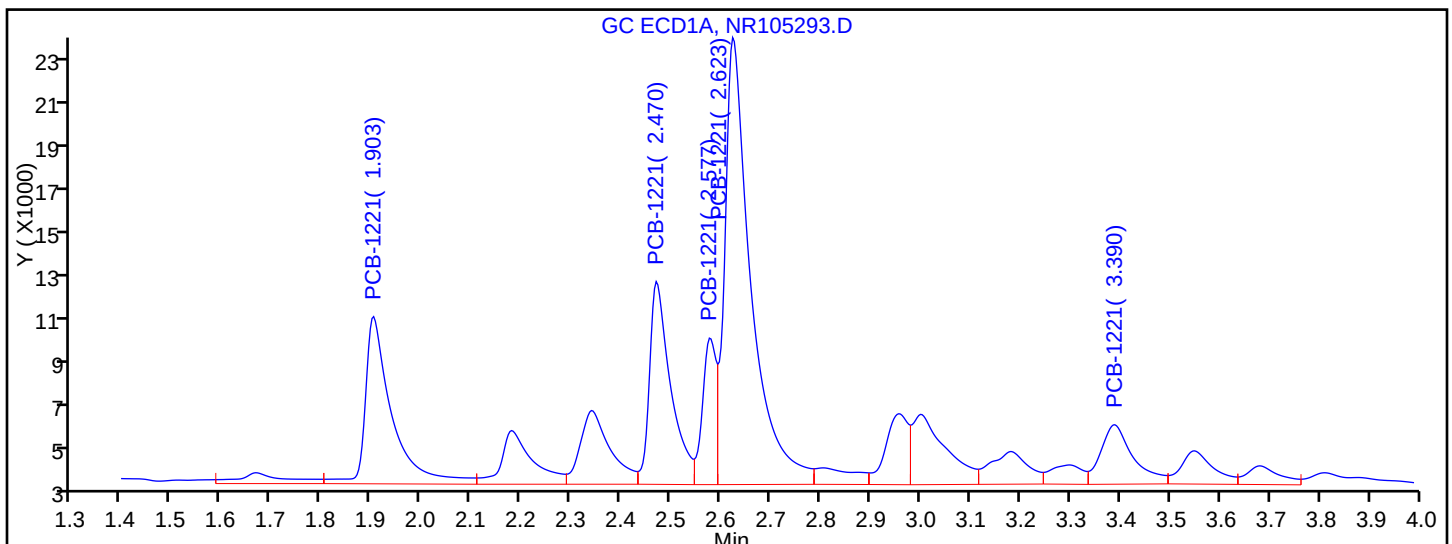
Detector

GC ECD1A

34 PCB-1221, CAS: 11104-28-2

Processing Integration Results

RT = 1.903	Response = 25119	M
RT = 2.470	Response = 26139	M
RT = 2.577	Response = 12085	M
RT = 2.623	Response = 75723	M
RT = 3.390	Response = 11833	M



Manual Integration Results

RT = 1.903	Response = 28349	M
RT = 2.470	Response = 30046	M
RT = 2.577	Response = 13225	M
RT = 2.623	Response = 79023	M
RT = 3.390	Response = 11881	M

Reviewer: foleysont, 14-Mar-2014 11:18:23

Audit Action: Assigned New Baseline

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10/30/2014

Audit Reason: Incomplete Integration

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 212491

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 03:37 Calibration End Date: 03/14/2014 04:33 Calibration ID: 36467

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 1221L1	NR105289.D
Level 2	STD 1221L2	NR105290.D
Level 3	STD 1221L3	NR105291.D
Level 4	STD 1221L4	NR105292.D
Level 5	STD 1221L5	NR105293.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1221 Peak 1	1.663	1.660	1.660	1.660	1.660						1.560 - 1.760	1.661
PCB-1221 Peak 2	2.120	2.120	2.120	2.120	2.120						2.020 - 2.220	2.120
PCB-1221 Peak 3	2.250	2.250	2.247	2.247	2.247						2.147 - 2.347	2.248
PCB-1221 Peak 4	2.577	2.577	2.577	2.577	2.577						2.477 - 2.677	2.577
PCB-1221 Peak 5	2.813	2.817	2.813	2.813	2.813						2.713 - 2.913	2.814

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 212491

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 03:37 Calibration End Date: 03/14/2014 04:33 Calibration ID: 36467

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 1221L1	NR105289.D
Level 2	STD 1221L2	NR105290.D
Level 3	STD 1221L3	NR105291.D
Level 4	STD 1221L4	NR105292.D
Level 5	STD 1221L5	NR105293.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 3	LVL 4		B	M1	M2								
PCB-1221 Peak 1	42.770 37.657	41.698	39.692	38.891	Ave		40.1414933				5.2		10.0			
PCB-1221 Peak 2	40.220 35.440	39.922	41.790	35.875	Ave		38.6494667				7.3		10.0			
PCB-1221 Peak 3	121.80 108.54	117.07	110.81	104.61	Ave		112.567187				6.1		10.0			
PCB-1221 Peak 4	12.140 11.813	12.530	13.561	12.636	Ave		12.5360400				5.3		10.0			
PCB-1221 Peak 5	20.090 17.942	19.272	19.572	19.909	Ave		19.3570667				4.4		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 212491

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 03:37 Calibration End Date: 03/14/2014 04:33 Calibration ID: 36467

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 1221L1	NR105289.D
Level 2	STD 1221L2	NR105290.D
Level 3	STD 1221L3	NR105291.D
Level 4	STD 1221L4	NR105292.D
Level 5	STD 1221L5	NR105293.D

ANALYTE	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
PCB-1221 Peak 1	Ave	4277	20849	39692	58336	94142	100	500	1000	1500	2500
PCB-1221 Peak 2	Ave	4022	19961	41790	53813	88600	100	500	1000	1500	2500
PCB-1221 Peak 3	Ave	12180	58537	110811	156917	271349	100	500	1000	1500	2500
PCB-1221 Peak 4	Ave	1214	6265	13561	18954	29533	100	500	1000	1500	2500
PCB-1221 Peak 5	Ave	2009	9636	19572	29864	44855	100	500	1000	1500	2500

Curve Type Legend:

Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105289.D
 Lims ID: STD 1221L1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 14-Mar-2014 03:37:16 ALS Bottle#: 60 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 1221 1
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub26
 Method: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 16-Mar-2014 13:46:30 Calib Date: 14-Mar-2014 04:33:52
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK006

First Level Reviewer: foleysont

Date: 14-Mar-2014 10:49:12

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

34 PCB-1221

M

1	1.907	1.903	0.004	1253	106.6	M
1	2.473	2.470	0.003	1189	99.6	M
1	2.580	2.577	0.003	510	96.2	M
1	2.630	2.627	0.003	3439	107.9	M
1	3.393	3.390	0.003	481	101.5	M

Average of Peak Amounts = 102.4

2	1.663	1.660	0.003	4277	106.5	M
2	2.120	2.120	0.0	4022	104.1	M
2	2.250	2.247	0.003	12180	108.2	M
2	2.577	2.577	0.0	1214	96.8	M
2	2.813	2.813	0.0	2009	103.8	M

Average of Peak Amounts = 103.9

RPD = 1.47

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105289.D

Injection Date: 14-Mar-2014 03:37:16

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD 1221L1

Worklist Smp#: 3

Client ID:

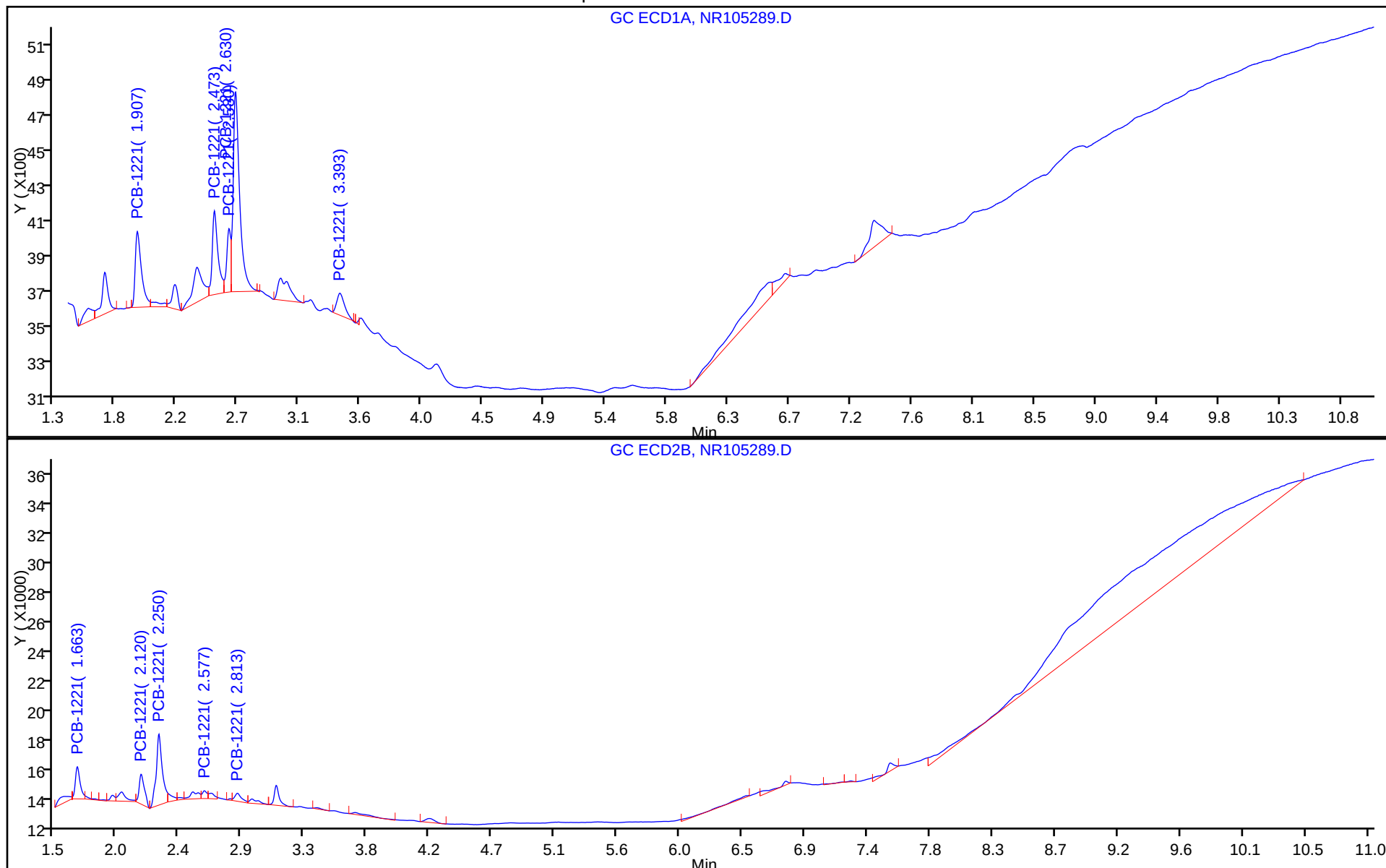
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 60

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105289.D

Injection Date: 14-Mar-2014 03:37:16

Instrument ID: CPESTGC6

Lims ID: STD 1221L1

Client ID:

Operator ID:

ALS Bottle#:

60

Worklist Smp#:

3

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

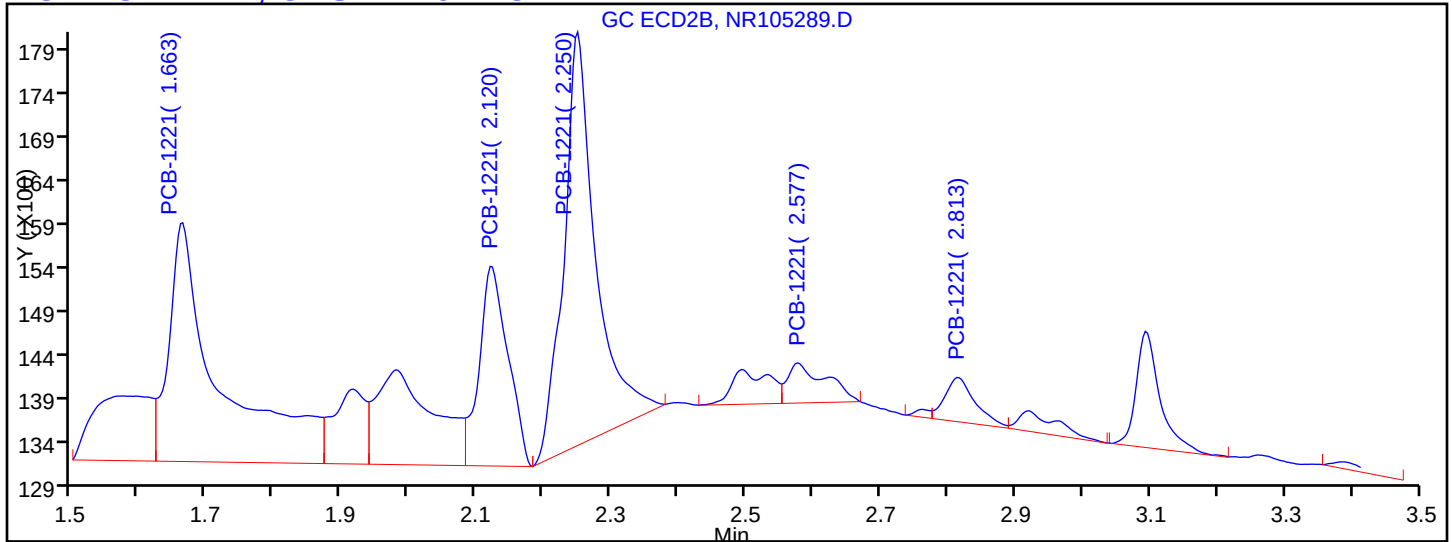
Limit Group:

GC 608 ICAL

Column:

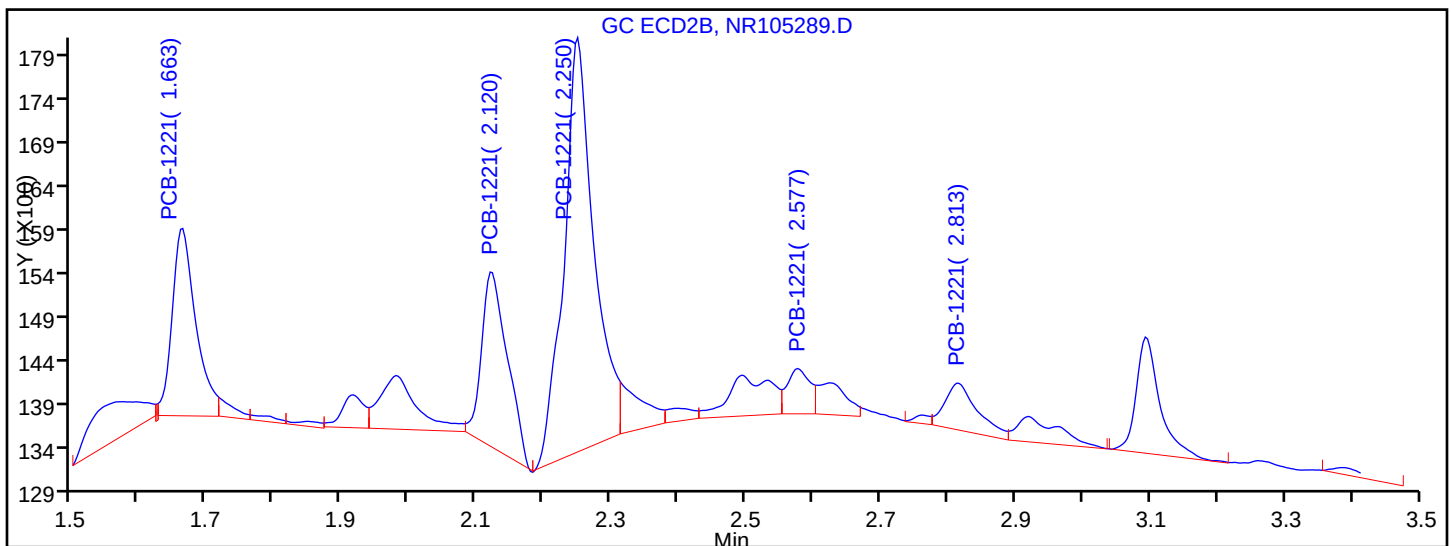
Detector

GC ECD2B

34 PCB-1221, CAS: 11104-28-2

Processing Integration Results

RT = 1.663	Response = 14166	M
RT = 2.120	Response = 6731	M
RT = 2.250	Response = 15480	M
RT = 2.577	Response = 1789	M
RT = 2.813	Response = 1574	M



Manual Integration Results

RT = 1.663	Response = 4277	M
RT = 2.120	Response = 4022	M
RT = 2.250	Response = 12180	M
RT = 2.577	Response = 1214	M
RT = 2.813	Response = 2009	M

Reviewer: foleysont, 14-Mar-2014 11:54:57

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105290.D
 Lims ID: STD 1221L2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 14-Mar-2014 03:51:41 ALS Bottle#: 61 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 2
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub26
 Method: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 16-Mar-2014 13:46:31 Calib Date: 14-Mar-2014 04:33:52
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK006

First Level Reviewer: foleysont

Date: 14-Mar-2014 10:49:46

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

34 PCB-1221 M

1 1.907 1.903 0.004 5895 501.7 M

1 2.473 2.470 0.003 6468 541.6 M

1 2.580 2.577 0.003 2712 511.7 M

1 2.627 2.627 0.0 15846 497.3 M

1 3.393 3.390 0.003 2415 509.6 M

Average of Peak Amounts = 512.4

2 1.660 1.660 0.0 20849 519.4 M

2 2.120 2.120 0.0 19961 516.5 M

2 2.250 2.247 0.003 58537 520.0 M

2 2.577 2.577 0.0 6265 499.8 M

2 2.817 2.813 0.004 9636 497.8 M

Average of Peak Amounts = 510.7

RPD = 0.33

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105290.D

Injection Date: 14-Mar-2014 03:51:41

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD 1221L2

Worklist Smp#: 4

Client ID:

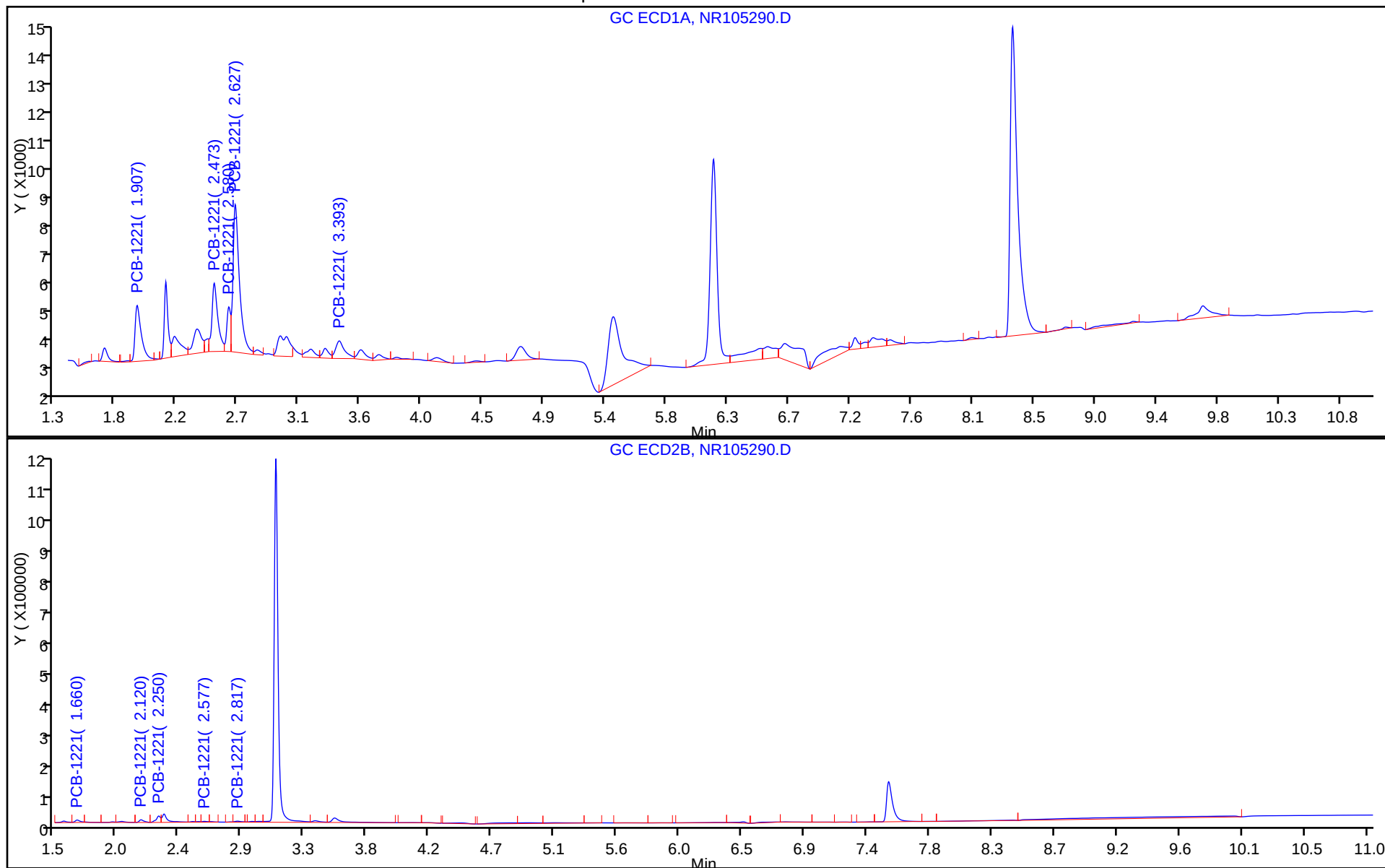
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 61

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105290.D

Injection Date: 14-Mar-2014 03:51:41

Instrument ID: CPESTGC6

Lims ID: STD 1221L2

Client ID:

Operator ID:

ALS Bottle#:

61

Worklist Smp#:

4

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

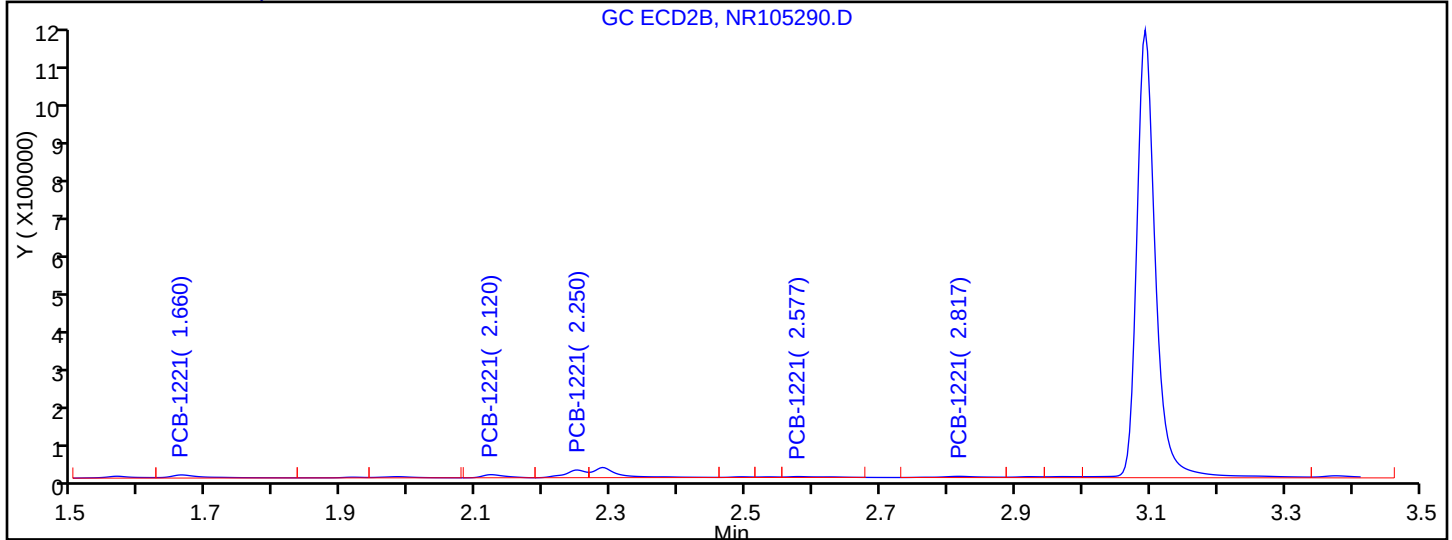
Limit Group:

GC 608 ICAL

Column:

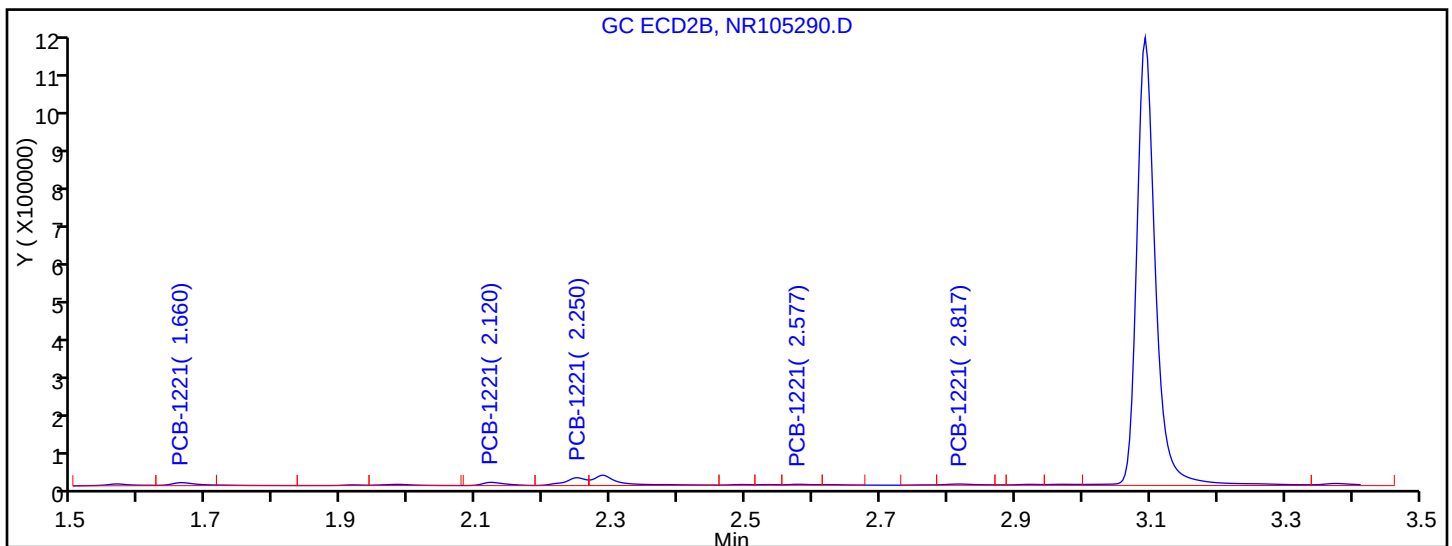
Detector

GC ECD2B

34 PCB-1221, CAS: 11104-28-2

Processing Integration Results

RT = 1.660	Response = 26487	M
RT = 2.120	Response = 17824	M
RT = 2.250	Response = 41089	M
RT = 2.577	Response = 8496	M
RT = 2.817	Response = 12574	M



Manual Integration Results

RT = 1.660	Response = 20849	M
RT = 2.120	Response = 19961	M
RT = 2.250	Response = 58537	M
RT = 2.577	Response = 6265	M
RT = 2.817	Response = 9636	M

Reviewer: foleysont, 14-Mar-2014 11:59:14

Audit Action: Assigned New Baseline

Page 570 of 1090

10/30/2014

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105291.D
 Lims ID: STD 1221L3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 14-Mar-2014 04:05:53 ALS Bottle#: 62 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 3
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub26
 Method: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 16-Mar-2014 13:46:32 Calib Date: 14-Mar-2014 04:33:52
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK006

First Level Reviewer: foleysont

Date: 14-Mar-2014 10:48:09

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

34 PCB-1221

M

1	1.903	1.903	0.0	11765	1001.2	M
1	2.470	2.470	0.0	11511	963.9	M
1	2.577	2.577	0.0	5588	1054.4	M
1	2.627	2.627	0.0	31305	982.5	M
1	3.390	3.390	0.0	4592	968.9	M

Average of Peak Amounts = 994.2

2	1.660	1.660	0.0	39692	988.8	M
2	2.120	2.120	0.0	41790	1081.3	M
2	2.247	2.247	0.0	110811	984.4	M
2	2.577	2.577	0.0	13561	1081.8	M
2	2.813	2.813	0.0	19572	1011.1	M

Average of Peak Amounts = 1029.5

RPD = 3.49

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105291.D

Injection Date: 14-Mar-2014 04:05:53

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD 1221L3

Worklist Smp#: 5

Client ID:

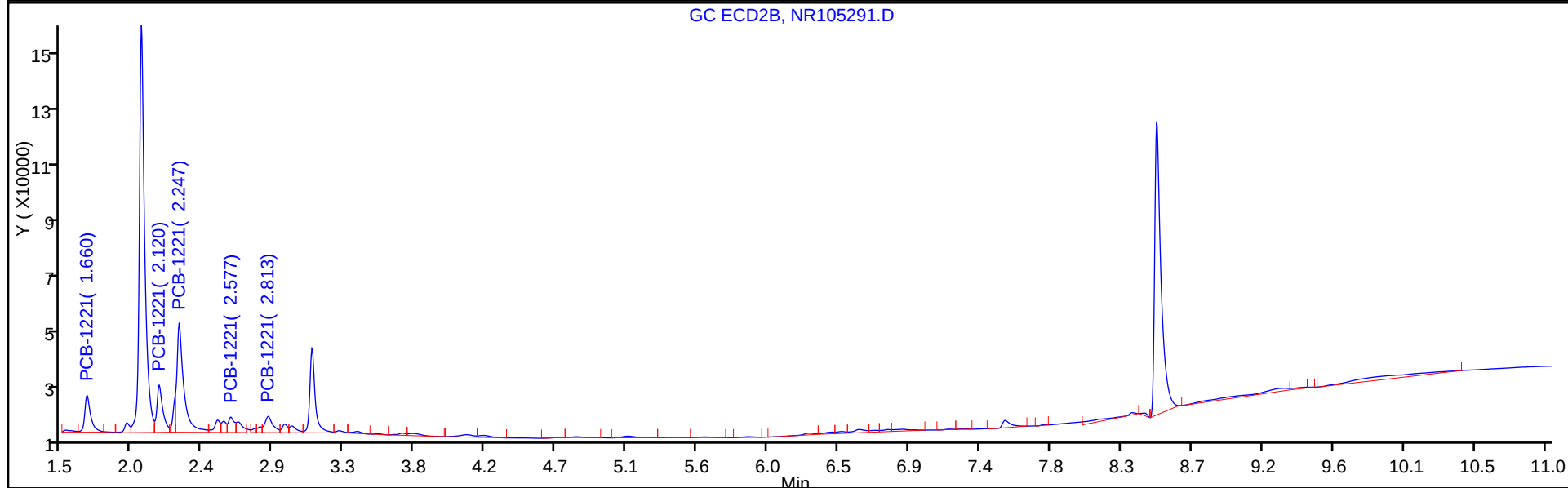
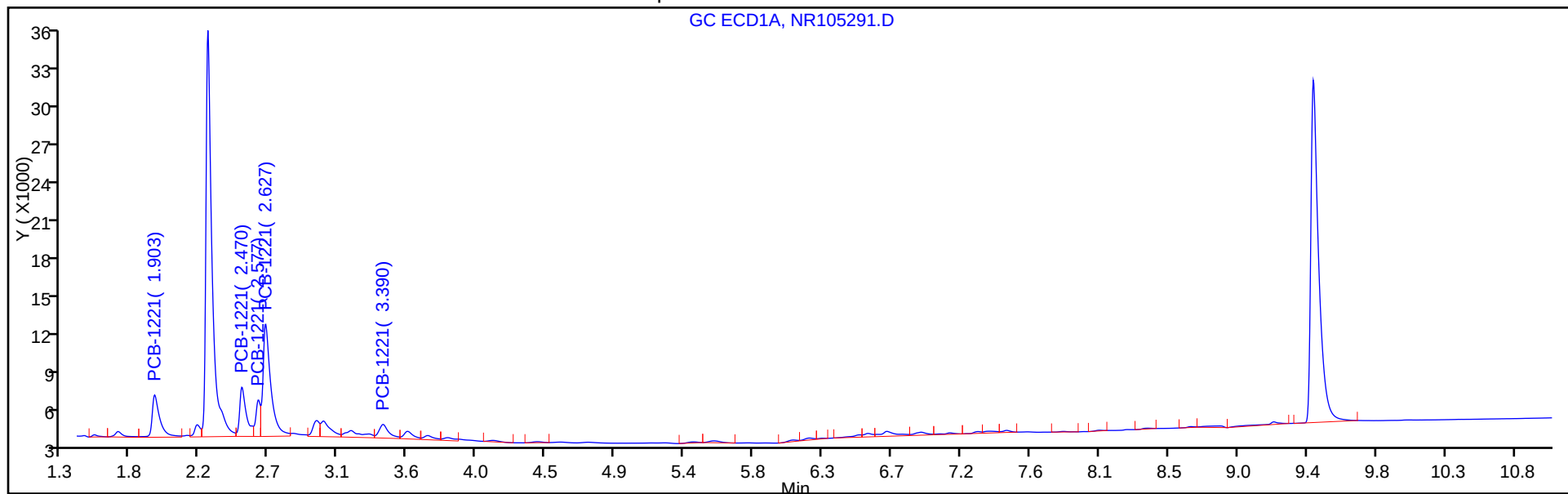
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 62

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105291.D

Injection Date: 14-Mar-2014 04:05:53

Instrument ID: CPESTGC6

Lims ID: STD 1221L3

Client ID:

Operator ID:

ALS Bottle#: 62

Worklist Smp#: 5

Injection Vol: 1.0 ul

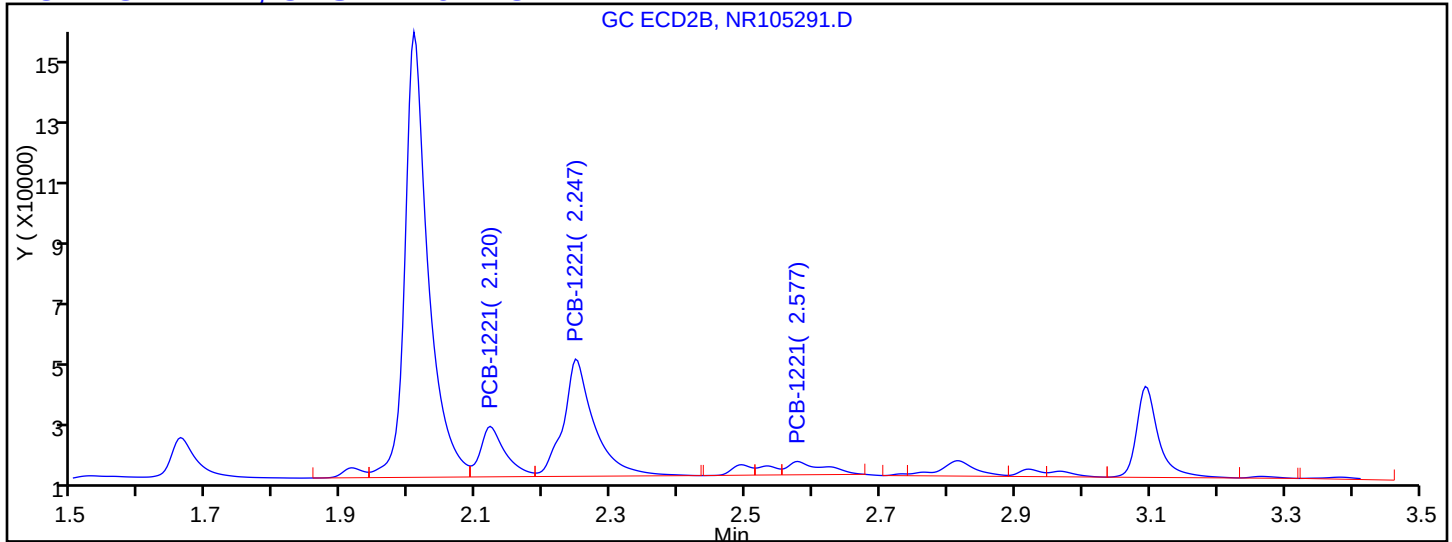
Dil. Factor: 1.0000

Method: 608GC6

Limit Group: GC 608 ICAL

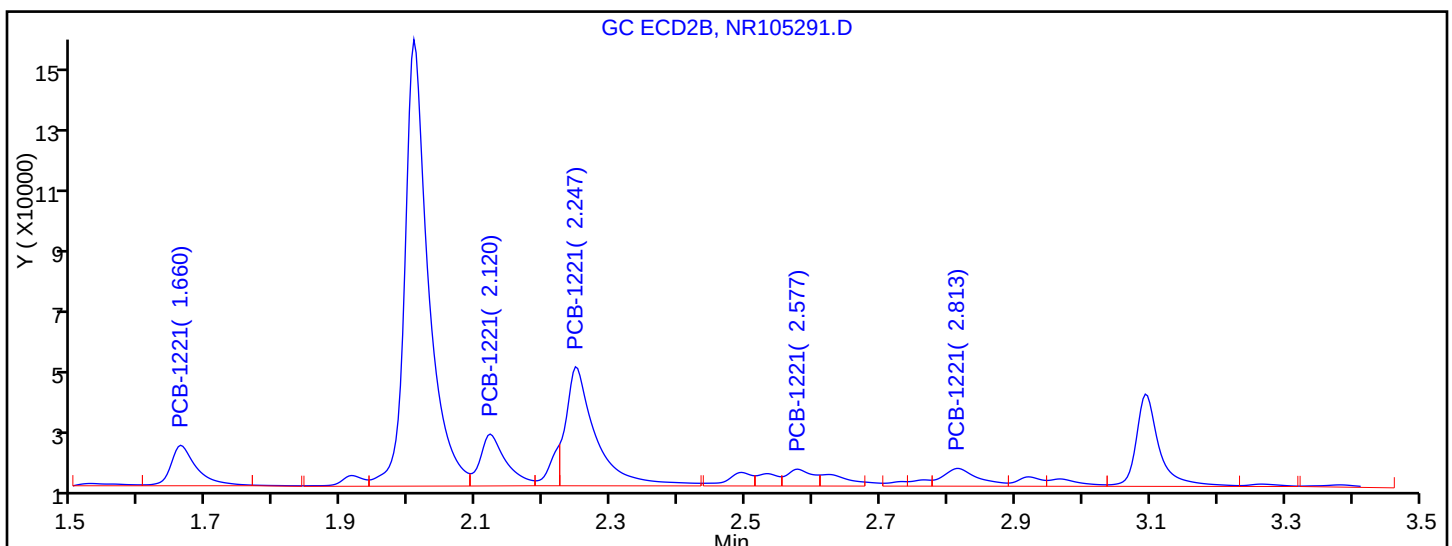
Column:

Detector GC ECD2B

34 PCB-1221, CAS: 11104-28-2

Processing Integration Results

RT = 2.007	Response = 326929	M
RT = 2.120	Response = 39572	M
RT = 2.247	Response = 113950	M
RT = 2.577	Response = 15120	M
RT = 2.920	Response = 4972	M



Manual Integration Results

RT = 1.660	Response = 39692	M
RT = 2.120	Response = 41790	M
RT = 2.247	Response = 110811	M
RT = 2.577	Response = 13561	M
RT = 2.813	Response = 19572	M

Reviewer: foleysont, 14-Mar-2014 10:48:09

Audit Action: Assigned New Baseline

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10/30/2014

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105292.D
 Lims ID: STD 1221L4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 14-Mar-2014 04:19:33 ALS Bottle#: 63 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 4
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub26
 Method: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 16-Mar-2014 13:46:33 Calib Date: 14-Mar-2014 04:33:52
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK006

First Level Reviewer: foleysont

Date: 14-Mar-2014 10:51:58

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

34 PCB-1221

M

1	1.900	1.903	-0.003	16996	1446.3	M
1	2.467	2.470	-0.003	17030	1426.1	M
1	2.573	2.577	-0.004	7643	1442.2	M
1	2.620	2.627	-0.007	45471	1427.1	M
1	3.387	3.390	-0.003	7069	1491.5	M

Average of Peak Amounts = 1446.7

2	1.660	1.660	0.0	58336	1453.3	M
2	2.120	2.120	0.0	53813	1392.3	M
2	2.247	2.247	0.0	156917	1394.0	M
2	2.577	2.577	0.0	18954	1512.0	M
2	2.813	2.813	0.0	29864	1542.8	M

Average of Peak Amounts = 1458.9

RPD = 0.84

QC Flag Legend

Review Flags

M - Manually Integrated

Chrom Revision: 2.2 28-Feb-2014 15:12:04

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105292.D

Injection Date: 14-Mar-2014 04:19:33

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD 1221L4

Worklist Smp#: 6

Client ID:

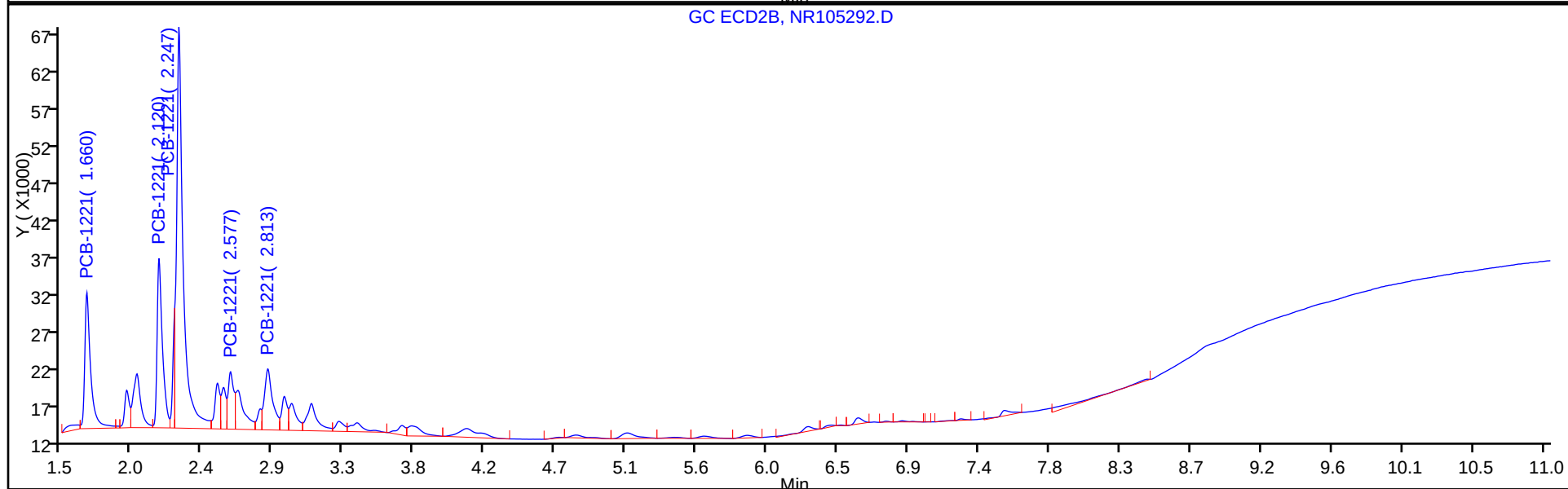
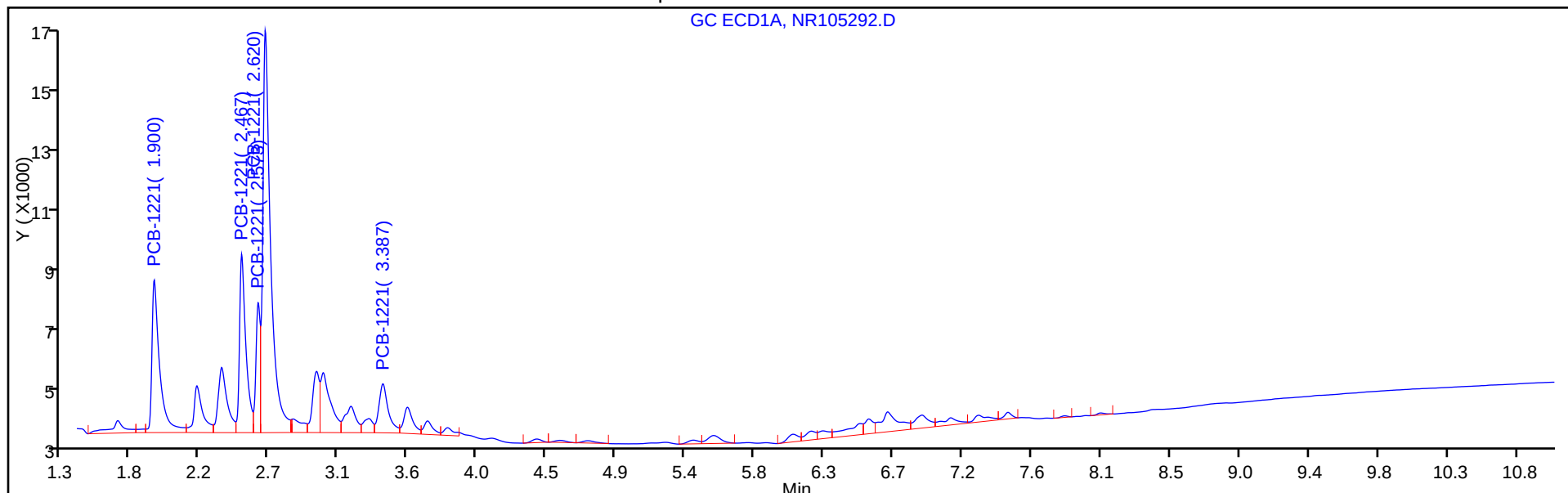
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 63

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105292.D

Injection Date: 14-Mar-2014 04:19:33

Instrument ID: CPESTGC6

Lims ID: STD 1221L4

Client ID:

Operator ID:

ALS Bottle#:

63

Worklist Smp#:

6

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

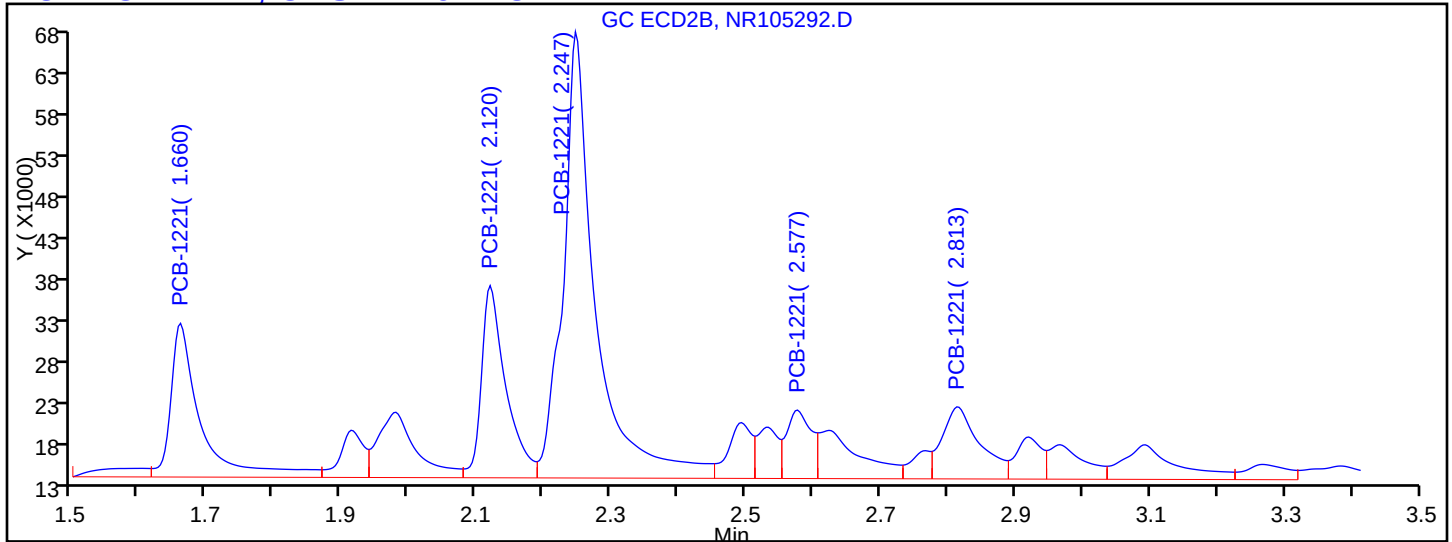
Limit Group:

GC 608 ICAL

Column:

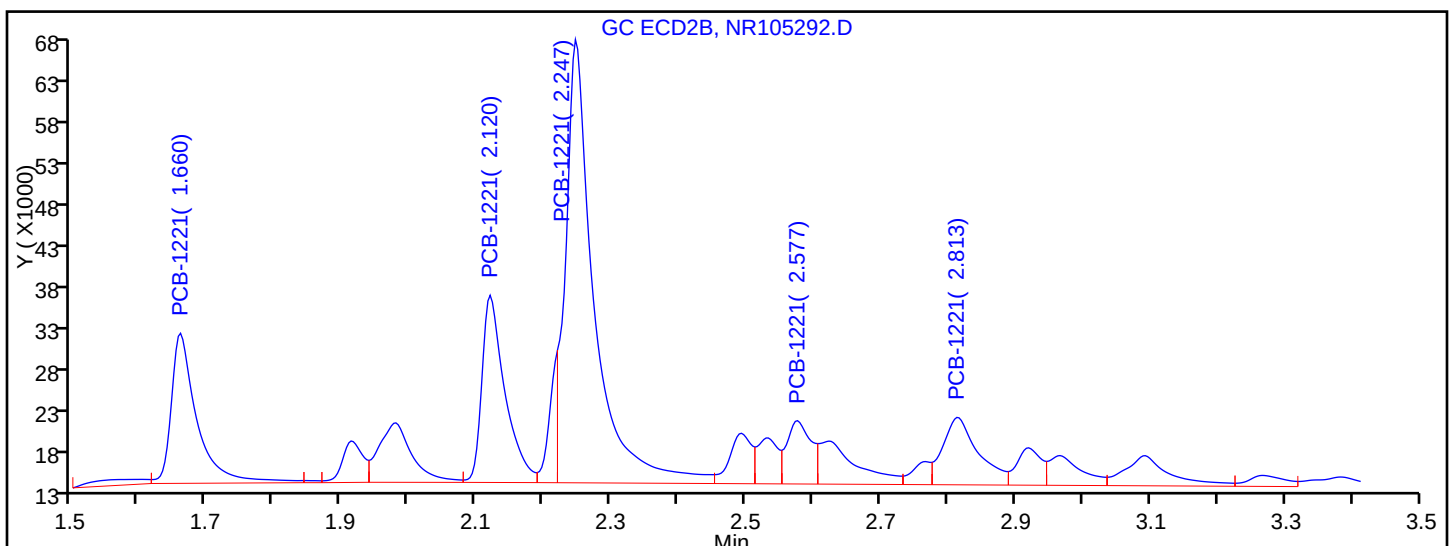
Detector

GC ECD2B

34 PCB-1221, CAS: 11104-28-2

Processing Integration Results

RT = 1.660	Response = 57928	M
RT = 2.120	Response = 58984	M
RT = 2.247	Response = 181225	M
RT = 2.577	Response = 21138	M
RT = 2.813	Response = 34110	M



Manual Integration Results

RT = 1.660	Response = 58336	M
RT = 2.120	Response = 53813	M
RT = 2.247	Response = 156917	M
RT = 2.577	Response = 18954	M
RT = 2.813	Response = 29864	M

Reviewer: foleysont, 14-Mar-2014 10:51:58

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Lims ID: STD 1221L5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 14-Mar-2014 04:33:52 ALS Bottle#: 64 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 5
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub26
 Method: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 16-Mar-2014 13:46:34 Calib Date: 14-Mar-2014 04:33:52
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK006

First Level Reviewer: foleysont

Date: 14-Mar-2014 10:50:25

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

34 PCB-1221 M

1 1.903 1.903 0.0 28349 2412.5 M

1 2.470 2.470 0.0 30046 2516.0 M

1 2.577 2.577 0.0 13225 2495.5 M

1 2.623 2.627 -0.004 79023 2480.2 M

1 3.390 3.390 0.0 11881 2506.9 M

Average of Peak Amounts = 2482.2

2 1.660 1.660 0.0 94142 2345.3 M

2 2.120 2.120 0.0 88600 2292.4 M

2 2.247 2.247 0.0 271349 2410.6 M

2 2.577 2.577 0.0 29533 2355.8 M

2 2.813 2.813 0.0 44855 2317.2 M

Average of Peak Amounts = 2344.3

RPD = 5.72

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D

Injection Date: 14-Mar-2014 04:33:52

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD 1221L5

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

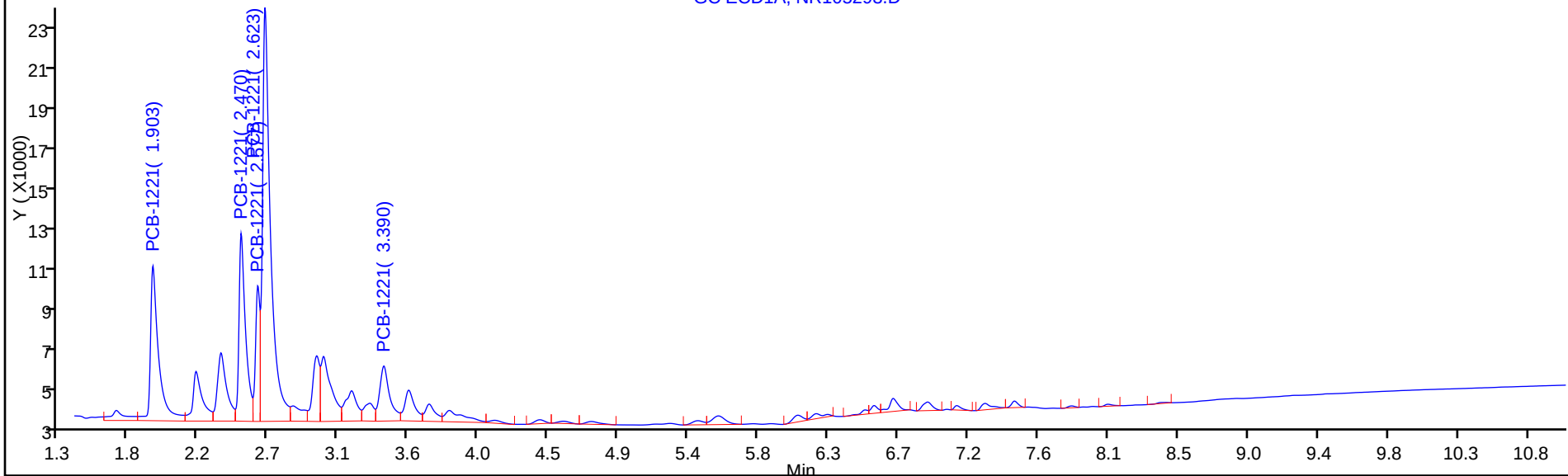
Dil. Factor: 1.0000

ALS Bottle#: 64

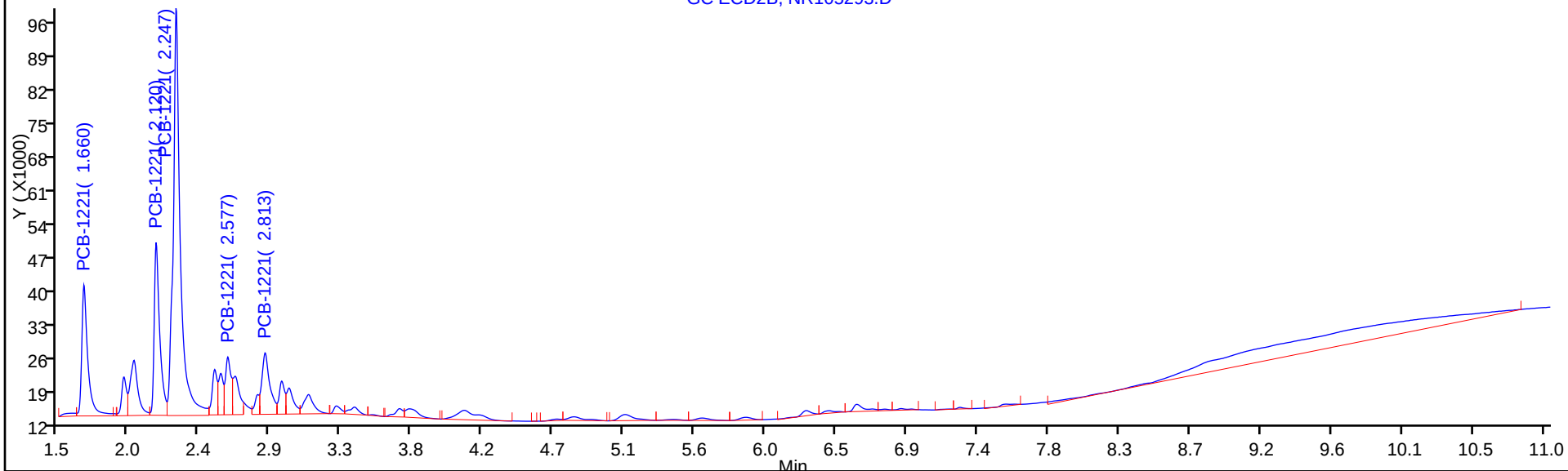
Method: 608GC6

Limit Group: GC 608 ICAL

GC ECD1A, NR105293.D



GC ECD2B, NR105293.D



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140313-10836.b\NR105293.D

Injection Date: 14-Mar-2014 04:33:52

Instrument ID: CPESTGC6

Lims ID: STD 1221L5

Client ID:

Operator ID:

ALS Bottle#:

64

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

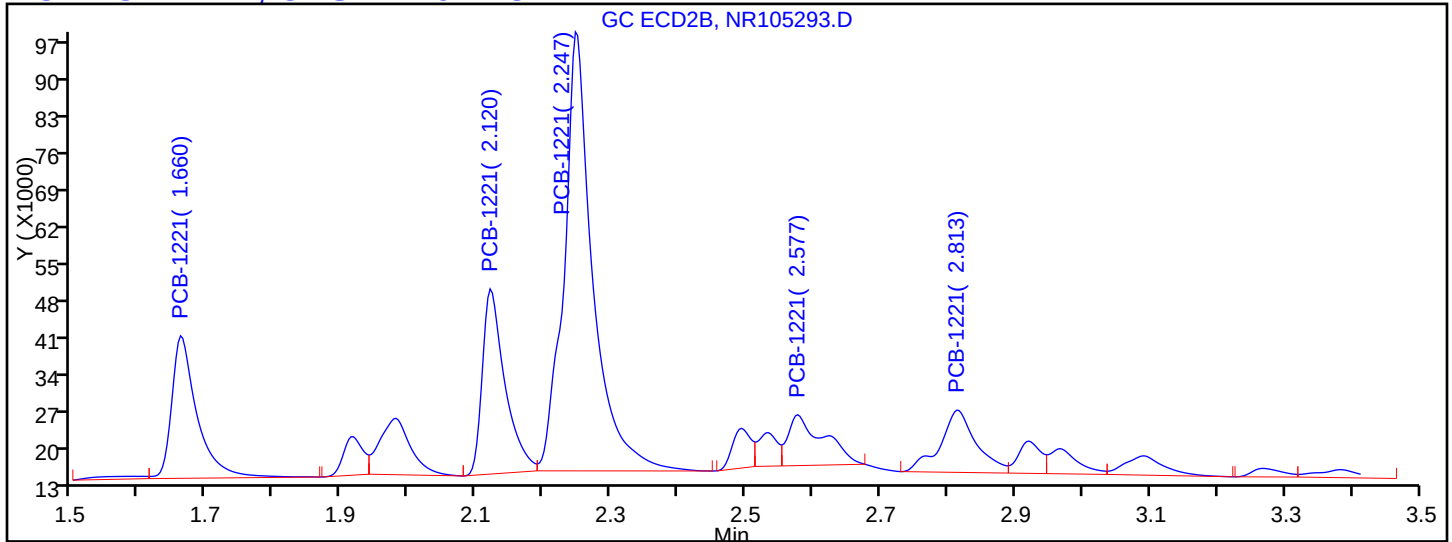
Limit Group:

GC 608 ICAL

Column:

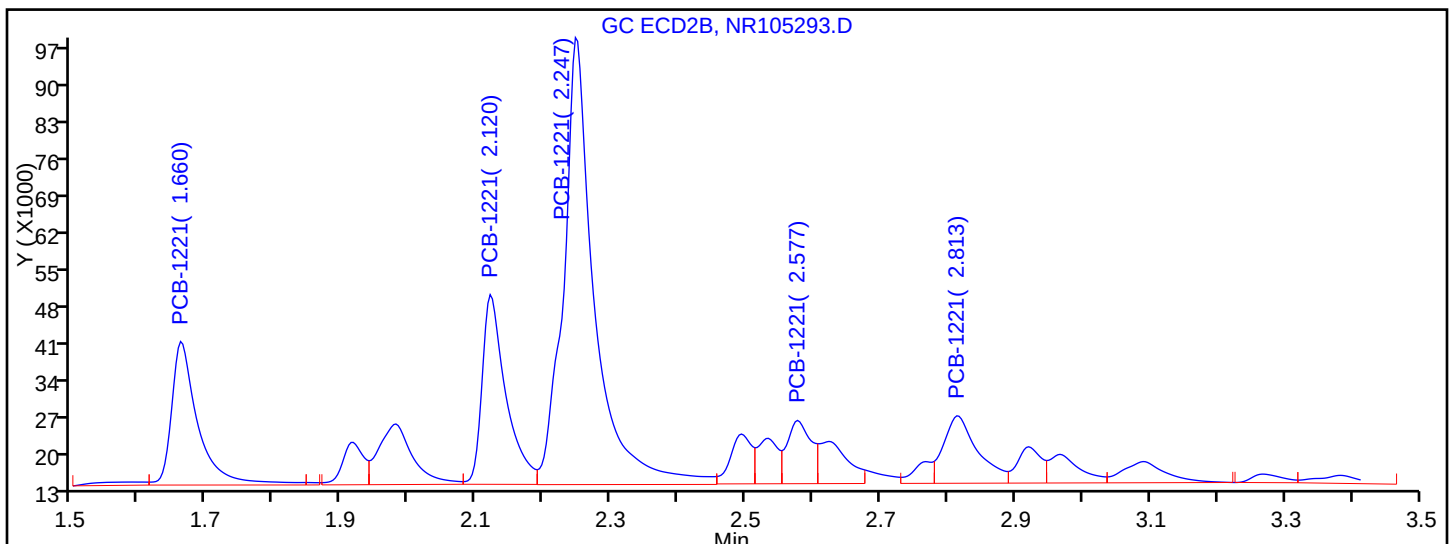
Detector

GC ECD2B

34 PCB-1221, CAS: 11104-28-2

Processing Integration Results

RT = 1.660	Response = 70484	M
RT = 2.120	Response = 81842	M
RT = 2.247	Response = 247383	M
RT = 2.577	Response = 35094	M
RT = 2.813	Response = 43965	M



Manual Integration Results

RT = 1.660	Response = 94142	M
RT = 2.120	Response = 88600	M
RT = 2.247	Response = 271349	M
RT = 2.577	Response = 29533	M
RT = 2.813	Response = 44855	M

Reviewer: foleysont, 14-Mar-2014 10:58:05

Audit Action: Assigned New Baseline

Audit Reason: Split Peak

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 00:35 Calibration End Date: 09/11/2014 01:32 Calibration ID: 42575

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 460-248196/3	NR106653.D
Level 2	STD 460-248196/4	NR106654.D
Level 3	STD 460-248196/5	NR106655.D
Level 4	STD 460-248196/6	NR106656.D
Level 5	STD 460-248196/7	NR106657.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Tetrachloro-m-xylene (Surr)	2.370	2.370	2.370	2.370	2.370						2.317 - 2.417	2.370
DCB Decachlorobiphenyl	9.637	9.637	9.640	9.643	9.640						9.540 - 9.740	9.639

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 00:35 Calibration End Date: 09/11/2014 01:32 Calibration ID: 42575

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 460-248196/3	NR106653.D
Level 2	STD 460-248196/4	NR106654.D
Level 3	STD 460-248196/5	NR106655.D
Level 4	STD 460-248196/6	NR106656.D
Level 5	STD 460-248196/7	NR106657.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 3	LVL 4		B	M1	M2								
Tetrachloro-m-xylene (Surr)	709.90 714.51	690.58	734.88	765.87	Ave		723.147333				4.0		10.0			
DCB Decachlorobiphenyl	1125.4 789.22	835.14	830.41	857.55	Lin	3761.91941	791.606672							0.9960		0.9900

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 Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 00:35 Calibration End Date: 09/11/2014 01:32 Calibration ID: 42575

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 460-248196/3	NR106653.D
Level 2	STD 460-248196/4	NR106654.D
Level 3	STD 460-248196/5	NR106655.D
Level 4	STD 460-248196/6	NR106656.D
Level 5	STD 460-248196/7	NR106657.D

ANALYTE	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
Tetrachloro-m-xylene (Surr)	Ave	7099	34529	73488	114880	142902	10.0	50.0	100	150	200
DCB Decachlorobiphenyl	Lin	11254	41757	83041	128633	157844	10.0	50.0	100	150	200

Curve Type Legend:

Ave = Average
Lin = Linear

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106653.D
 Lims ID: STD PESTL1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Sep-2014 00:35:52 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-003
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:50 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 07:03:03

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

\$ 4 Tetrachloro-m-xylene

1	2.370	2.367	0.003	7099	10.0	9.82	
2	2.090	2.090	0.000	34794	10.0	10.8	
RPD = 9.92							

15 alpha-BHC

1	2.867	2.867	0.000	4485	4.00	4.33	
2	2.480	2.480	0.000	26226	4.00	-0.4231	
RPD = 243.28							

2 gamma-BHC (Lindane)

1	3.207	3.203	0.004	4147	4.00	4.36	M
2	2.710	2.707	0.003	22484	4.00	-3.90	M
RPD = 3636.47							

6 beta-BHC

1	3.283	3.280	0.003	2721	4.00	1.43	M
2	2.773	2.770	0.003	14686	4.00	1.09	M
RPD = 27.15							

32 delta-BHC

1	3.637	3.633	0.004	3952	4.00	4.17	M
2	2.913	2.913	0.000	21950	4.00	-0.6290	M
RPD = 271.11							

18 Heptachlor

1	3.747	3.743	0.004	5145	4.00	5.32	M
2	3.100	3.097	0.003	24748	4.00	-2.07	M
RPD = 455.70							

8 Aldrin

1	4.463	4.460	0.003	4750	4.00	11.9	M
2	3.397	3.393	0.004	20507	4.00	-0.6565	M
RPD = 223.35							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106653.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Heptachlor epoxide							M
1	6.067	6.063	0.004	1946	4.00	6.43	M
2	4.527	4.523	0.004	23299	4.00	0.1130	
RPD = 193.10							
9 gamma-Chlordane							M
1	6.373	6.367	0.006	5527	4.00	2.33	M
2	4.910	4.910	0.000	26309	4.00	0.4102	
RPD = 140.14							
23 alpha-Chlordane							M
1	6.537	6.533	0.004	4401	4.00	0.2129	M
2	5.330	5.327	0.003	22093	4.00	0.4140	
RPD = 64.14							
7 Endosulfan I							M
1	6.607	6.607	0.000	4873	4.00	3.02	M
2	5.780	5.777	0.003	19631	4.00	2.33	
RPD = 25.94							
25 4,4'-DDE							M
1	6.690	6.687	0.003	4299	4.00	5.28	M
2	5.553	5.553	0.000	16499	4.00	5.36	
RPD = 1.41							
30 Dieldrin							M
1	6.893	6.893	0.000	4610	4.00	5.25	
2	6.310	6.310	0.000	18525	4.00	-0.4226	M
RPD = 234.98							
20 Endrin							M
1	7.217	7.213	0.004	3236	4.00	3.13	
2	6.570	6.567	0.003	15393	4.00	-2.94	M
RPD = 6404.27							
16 4,4'-DDD							M
1	7.290	7.290	0.000	2585	4.00	4.30	
2	6.620	6.620	0.000	16481	4.00	0.5720	M
RPD = 153.01							
11 Endosulfan II							
1	7.427	7.423	0.004	5503	4.00	1.44	
2	6.787	6.787	0.000	16838	4.00	-2.80	
RPD = -623.78							
21 4,4'-DDT							M
1	7.603	7.603	0.000	3274	4.00	3.91	
2	6.893	6.893	0.000	18981	4.00	0.0351	M
RPD = 196.44							
5 Endrin aldehyde							
1	7.753	7.750	0.003	3931	4.00	0.6160	
2	7.197	7.193	0.004	15517	4.00	-1.69	
RPD = -429.48							
3 Endosulfan sulfate							
1	8.013	8.017	-0.004	3662	4.00	2.72	
2	7.607	7.607	0.000	15952	4.00	-1.69	
RPD = 858.27							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106653.D

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

10 Methoxychlor

1	8.237	8.240	-0.003	2292	4.00	0.0740	
2	7.357	7.357	0.000	10393	4.00	-2.58	
RPD = -211.83							

13 Endrin ketone

1	8.520	8.527	-0.007	5665	4.00	-0.4101	
2	7.867	7.867	0.000	19463	4.00	-1.77	
RPD = -124.78							

\$ 24 DCB Decachlorobiphenyl

1	9.637	9.640	-0.003	11254	10.0	9.46	
2	8.727	8.727	0.000	32942	10.0	11.1	
RPD = 16.28							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG608PSTL1_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106653.D

Injection Date: 11-Sep-2014 00:35:52

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD PESTL1

Worklist Smp#: 3

Client ID:

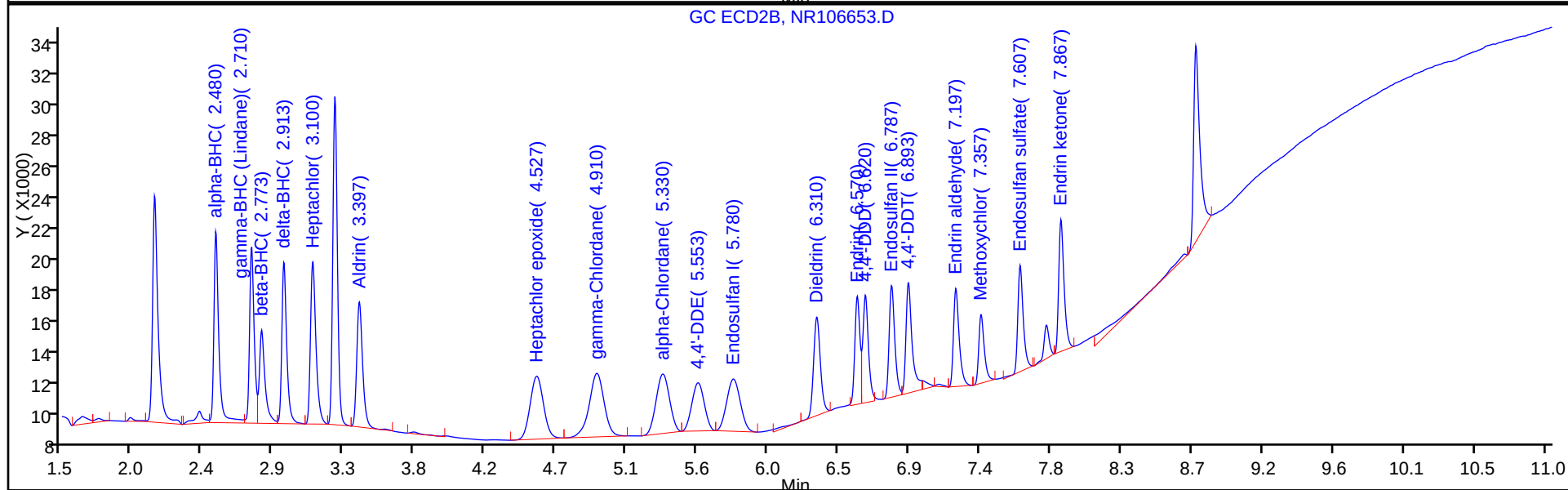
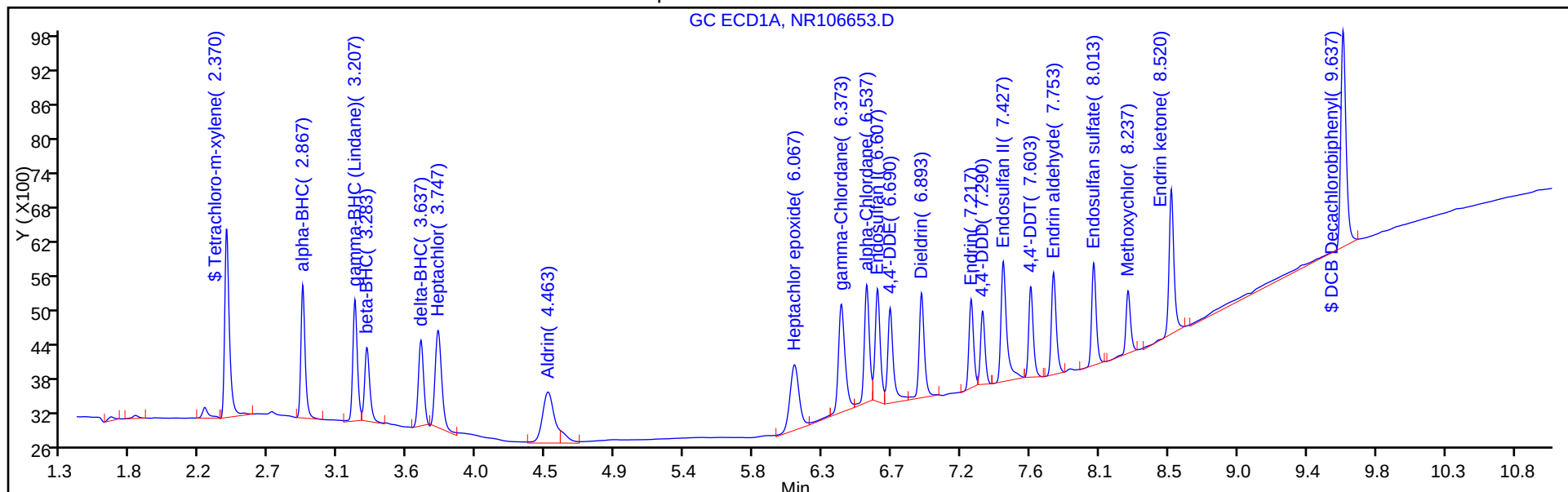
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106654.D
 Lims ID: STD PESTL2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Sep-2014 00:49:57 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-004
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:51 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 07:02:37

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

\$ 4 Tetrachloro-m-xylene

1	2.370	2.367	0.003	34529	50.0	47.7	
2	2.090	2.090	0.000	155101	50.0	48.3	
RPD = 1.21							

15 alpha-BHC

1	2.867	2.867	0.000	49612	50.0	47.9	
2	2.480	2.480	0.000	210873	50.0	49.6	
RPD = 3.41							

2 gamma-BHC (Lindane)

1	3.207	3.203	0.004	45982	50.0	48.3	
2	2.707	2.707	0.000	179139	50.0	49.2	
RPD = 1.77							

6 beta-BHC

1	3.283	3.280	0.003	26154	50.0	51.0	
2	2.770	2.770	0.000	107731	50.0	51.1	
RPD = 0.17							

32 delta-BHC

1	3.637	3.633	0.004	43328	50.0	45.7	
2	2.913	2.913	0.000	187653	50.0	49.2	
RPD = 7.46							

18 Heptachlor

1	3.747	3.743	0.004	47837	50.0	47.9	
2	3.097	3.097	0.000	199875	50.0	50.2	
RPD = 4.62							

8 Aldrin

1	4.460	4.460	0.000	41396	50.0	48.2	
2	3.393	3.393	0.000	183792	50.0	49.4	
RPD = 2.51							

Data File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106654.D

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

12 Heptachlor epoxide

1	6.063	6.063	0.000	40785	50.0	49.4	
2	4.523	4.523	0.000	192589	50.0	49.3	
RPD = 0.20							

9 gamma-Chlordane

1	6.370	6.367	0.003	42431	50.0	48.5	
2	4.907	4.910	-0.003	198794	50.0	49.7	
RPD = 2.29							

23 alpha-Chlordane

1	6.537	6.533	0.004	39169	50.0	49.0	
2	5.327	5.327	0.000	182512	50.0	48.4	
RPD = 1.23							

7 Endosulfan I

1	6.607	6.607	0.000	39063	50.0	48.3	
2	5.777	5.777	0.000	165588	50.0	47.7	
RPD = 1.22							

25 4,4'-DDE

1	6.690	6.687	0.003	35357	50.0	47.0	
2	5.550	5.553	-0.003	156534	50.0	46.4	
RPD = 1.28							

30 Dieldrin

1	6.893	6.893	0.000	38085	50.0	47.6	
2	6.310	6.310	0.000	167871	50.0	48.7	
RPD = 2.17							

20 Endrin

1	7.217	7.213	0.004	32319	50.0	48.7	M
2	6.567	6.567	0.000	124288	50.0	49.4	M
RPD = 1.54							

16 4,4'-DDD

1	7.290	7.290	0.000	28982	50.0	48.2	M
2	6.620	6.620	0.000	152036	50.0	49.3	M
RPD = 2.29							

11 Endosulfan II

1	7.423	7.423	0.000	38018	50.0	50.5	M
2	6.787	6.787	0.000	143466	50.0	48.9	M
RPD = 3.07							

21 4,4'-DDT

1	7.603	7.603	0.000	31288	50.0	49.2	M
2	6.893	6.893	0.000	145887	50.0	48.3	M
RPD = 1.99							

5 Endrin aldehyde

1	7.753	7.750	0.003	31578	50.0	49.8	M
2	7.197	7.193	0.004	124264	50.0	49.4	M
RPD = 0.95							

3 Endosulfan sulfate

1	8.013	8.017	-0.004	31389	50.0	49.0	
2	7.603	7.607	-0.004	128400	50.0	49.2	
RPD = 0.34							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106654.D

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

10 Methoxychlor

1	8.240	8.240	0.000	18095	50.0	50.2	
2	7.357	7.357	0.000	81333	50.0	50.5	
RPD = 0.62							

13 Endrin ketone

1	8.520	8.527	-0.007	42686	50.0	49.1	
2	7.867	7.867	0.000	163216	50.0	49.9	
RPD = 1.66							

\$ 24 DCB Decachlorobiphenyl

1	9.637	9.640	-0.003	41757	50.0	48.0	
2	8.727	8.727	0.000	145449	50.0	49.2	
RPD = 2.46							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPESTL2_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106654.D

Injection Date: 11-Sep-2014 00:49:57

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD PESTL2

Worklist Smp#: 4

Client ID:

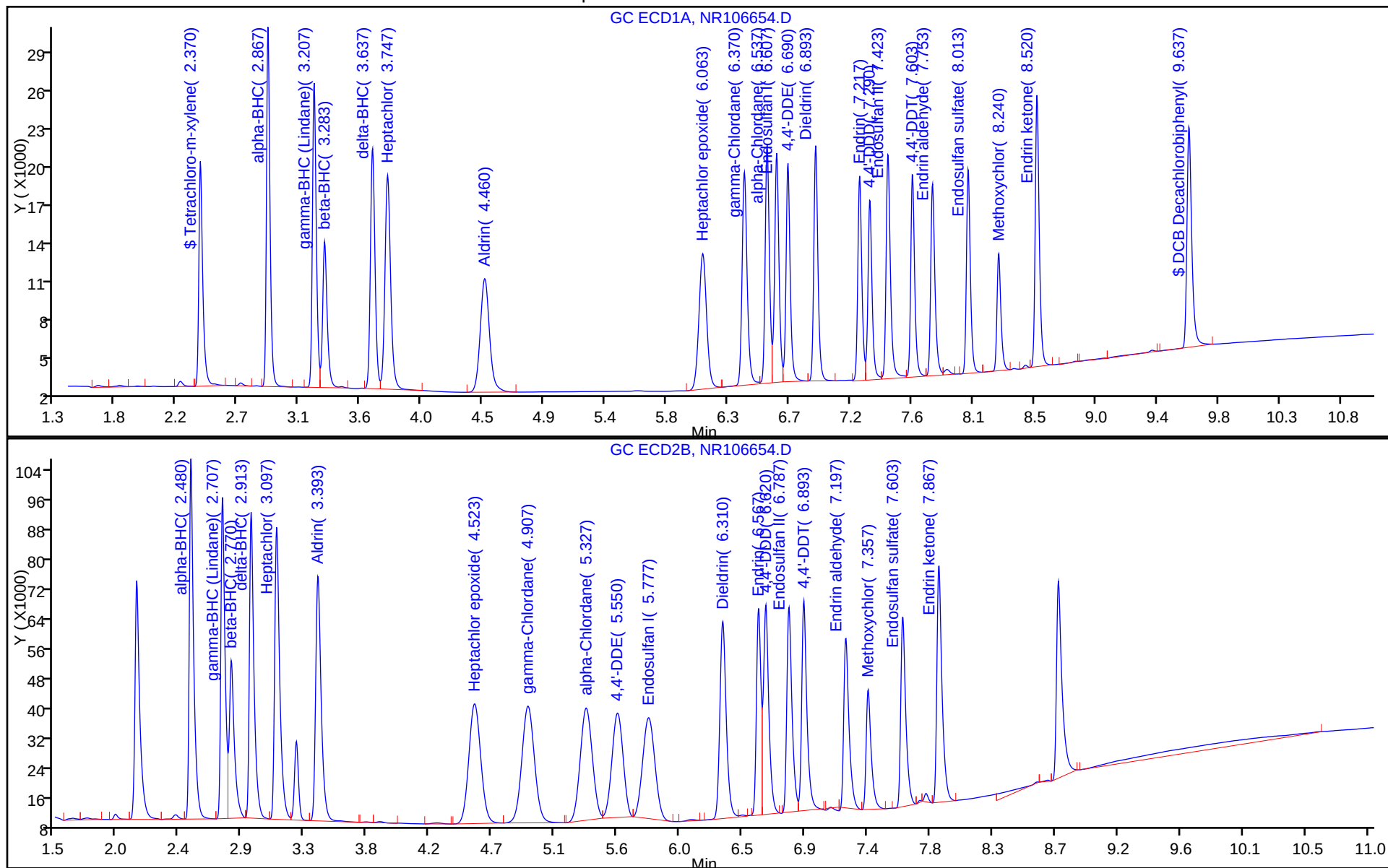
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106655.D
 Lims ID: STD PESTL3
 Client ID:
 Sample Type: ICRT Calib Level: 3
 Inject. Date: 11-Sep-2014 01:04:18 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-005
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:52 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: boykinc

Date: 11-Sep-2014 06:06:08

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

\$ 4 Tetrachloro-m-xylene

1	2.370	2.370	0.000	73488	100.0	101.6	
2	2.087	2.087	0.000	313406	100.0	97.7	
RPD = 3.98							

15 alpha-BHC

1	2.867	2.867	0.000	101980	100.0	98.5	
2	2.477	2.477	0.000	404526	100.0	102.1	
RPD = 3.52							

2 gamma-BHC (Lindane)

1	3.207	3.207	0.000	94073	100.0	98.8	
2	2.707	2.707	0.000	341615	100.0	104.2	
RPD = 5.30							

6 beta-BHC

1	3.283	3.283	0.000	49440	100.0	100.3	
2	2.770	2.770	0.000	202119	100.0	101.8	
RPD = 1.53							

32 delta-BHC

1	3.637	3.637	0.000	92526	100.0	97.6	
2	2.910	2.910	0.000	365726	100.0	102.8	
RPD = 5.23							

18 Heptachlor

1	3.747	3.747	0.000	98701	100.0	98.6	
2	3.097	3.097	0.000	377902	100.0	103.3	
RPD = 4.59							

8 Aldrin

1	4.463	4.463	0.000	86770	100.0	93.2	
2	3.393	3.393	0.000	355118	100.0	102.0	
RPD = 9.05							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106655.D

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

12 Heptachlor epoxide

1	6.067	6.067	0.000	83630	100.0	96.9	
2	4.520	4.520	0.000	371490	100.0	101.3	
RPD = 4.52							

9 gamma-Chlordane

1	6.370	6.370	0.000	83999	100.0	100.6	
2	4.907	4.907	0.000	378824	100.0	101.1	
RPD = 0.48							

23 alpha-Chlordane

1	6.537	6.537	0.000	76953	100.0	102.0	
2	5.327	5.327	0.000	358813	100.0	101.2	
RPD = 0.86							

7 Endosulfan I

1	6.607	6.607	0.000	78177	100.0	100.2	
2	5.773	5.773	0.000	330729	100.0	99.1	
RPD = 1.04							

25 4,4'-DDE

1	6.690	6.690	0.000	74519	100.0	99.7	
2	5.550	5.550	0.000	331705	100.0	97.8	
RPD = 1.88							

30 Dieldrin

1	6.893	6.893	0.000	78447	100.0	98.7	
2	6.310	6.310	0.000	327035	100.0	101.0	
RPD = 2.28							

20 Endrin

1	7.217	7.217	0.000	64453	100.0	99.0	
2	6.567	6.567	0.000	230242	100.0	100.4	
RPD = 1.39							

16 4,4'-DDD

1	7.290	7.290	0.000	58206	100.0	96.8	M
2	6.620	6.620	0.000	299969	100.0	102.5	M
RPD = 5.73							

11 Endosulfan II

1	7.423	7.423	0.000	70574	100.0	99.5	M
2	6.787	6.787	0.000	277883	100.0	103.8	M
RPD = 4.23							

21 4,4'-DDT

1	7.603	7.603	0.000	61785	100.0	98.6	M
2	6.893	6.893	0.000	288451	100.0	102.4	M
RPD = 3.84							

5 Endrin aldehyde

1	7.753	7.753	0.000	59832	100.0	100.2	
2	7.193	7.193	0.000	237773	100.0	102.7	
RPD = 2.48							

3 Endosulfan sulfate

1	8.013	8.013	0.000	61865	100.0	99.8	
2	7.603	7.603	0.000	244132	100.0	101.5	
RPD = 1.62							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106655.D

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

10 Methoxychlor

1	8.240	8.240	0.000	34349	100.0	101.8	
2	7.357	7.357	0.000	151927	100.0	103.4	
RPD = 1.54							

13 Endrin ketone

1	8.520	8.520	0.000	81688	100.0	101.3	
2	7.863	7.863	0.000	309851	100.0	102.7	
RPD = 1.36							

\$ 24 DCB Decachlorobiphenyl

1	9.640	9.640	0.000	83041	100.0	100.1	
2	8.727	8.727	0.000	287188	100.0	97.1	
RPD = 3.06							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPESTL3_00019

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106655.D

Injection Date: 11-Sep-2014 01:04:18

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD PESTL3

Worklist Smp#: 5

Client ID:

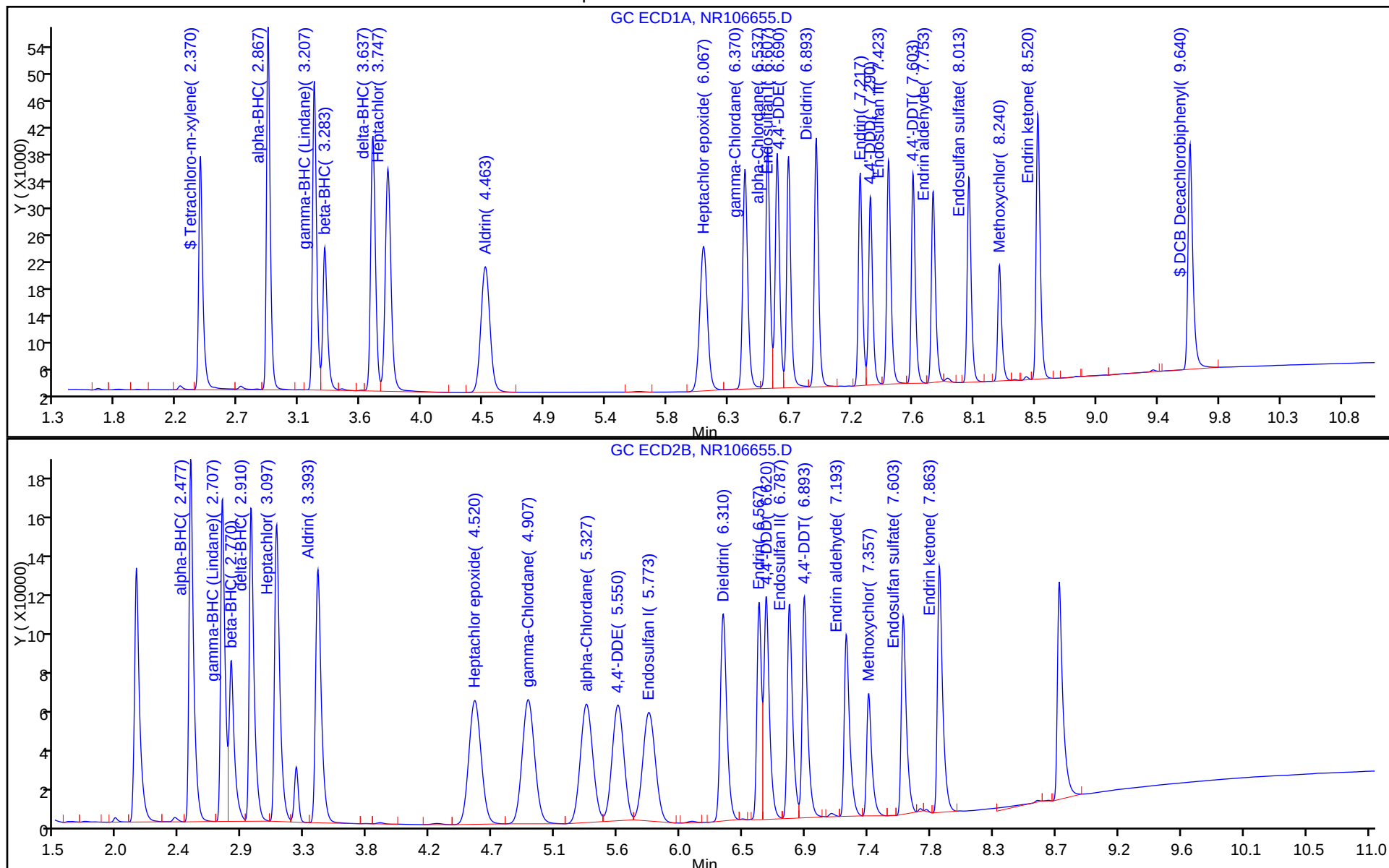
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106656.D
 Lims ID: STD PESTL4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Sep-2014 01:18:39 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-006
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:54 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D

Column 1 : Det: GC ECD1A

Column 2 : Det: GC ECD2B

Process Host: XAWRK030

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

\$ 4 Tetrachloro-m-xylene

1	2.370	2.370	0.000	114880	150.0	158.9	
2	2.087	2.087	0.000	487963	150.0	152.0	
RPD = 4.38							

15 alpha-BHC

1	2.867	2.867	0.000	259959	250.0	251.2	
2	2.477	2.477	0.000	973404	250.0	256.2	
RPD = 1.97							

2 gamma-BHC (Lindane)

1	3.207	3.207	0.000	238447	250.0	250.4	
2	2.707	2.707	0.000	803170	250.0	260.5	
RPD = 3.94							

6 beta-BHC

1	3.283	3.283	0.000	121612	250.0	252.9	
2	2.767	2.770	-0.003	479767	250.0	251.0	
RPD = 0.77							

32 delta-BHC

1	3.637	3.637	0.000	247001	250.0	260.5	
2	2.913	2.910	0.003	875051	250.0	256.1	
RPD = 1.70							

18 Heptachlor

1	3.747	3.747	0.000	253834	250.0	253.4	
2	3.097	3.097	0.000	891712	250.0	256.5	
RPD = 1.24							

8 Aldrin

1	4.463	4.463	0.000	243583	250.0	248.5	
2	3.393	3.393	0.000	860785	250.0	257.1	
RPD = 3.40							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106656.D

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

12 Heptachlor epoxide

1	6.063	6.067	-0.004	223085	250.0	251.2	
2	4.523	4.520	0.003	906131	250.0	256.8	
RPD = 2.18							

9 gamma-Chlordane

1	6.370	6.370	0.000	207281	250.0	255.0	
2	4.907	4.907	0.000	921193	250.0	256.0	
RPD = 0.39							

23 alpha-Chlordane

1	6.537	6.537	0.000	186662	250.0	256.0	
2	5.327	5.327	0.000	883293	250.0	258.1	
RPD = 0.81							

7 Endosulfan I

1	6.607	6.607	0.000	194767	250.0	254.7	
2	5.777	5.773	0.004	843739	250.0	258.8	
RPD = 1.59							

25 4,4'-DDE

1	6.690	6.690	0.000	188836	250.0	253.3	
2	5.550	5.550	0.000	875156	250.0	257.2	
RPD = 1.52							

30 Dieldrin

1	6.893	6.893	0.000	200926	250.0	253.8	
2	6.307	6.310	-0.003	809180	250.0	259.5	
RPD = 2.24							

20 Endrin

1	7.217	7.217	0.000	164482	250.0	255.7	
2	6.567	6.567	0.000	570655	250.0	264.1	
RPD = 3.25							

16 4,4'-DDD

1	7.290	7.290	0.000	149925	250.0	249.2	
2	6.617	6.620	-0.003	722032	250.0	254.1	
RPD = 1.96							

11 Endosulfan II

1	7.423	7.423	0.000	173663	250.0	255.0	
2	6.783	6.787	-0.004	658253	250.0	259.2	
RPD = 1.66							

21 4,4'-DDT

1	7.603	7.603	0.000	157815	250.0	253.9	
2	6.893	6.893	0.000	695711	250.0	257.1	
RPD = 1.27							

5 Endrin aldehyde

1	7.753	7.753	0.000	147752	250.0	256.7	
2	7.193	7.193	0.000	568776	250.0	258.1	
RPD = 0.54							

3 Endosulfan sulfate

1	8.017	8.013	0.004	154611	250.0	254.6	
2	7.603	7.603	0.000	595753	250.0	260.5	
RPD = 2.26							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106656.D

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

10 Methoxychlor

1	8.240	8.240	0.000	82496	250.0	254.5	
2	7.353	7.357	-0.004	356784	250.0	256.7	
RPD = 0.85							

13 Endrin ketone

1	8.523	8.520	0.003	198997	250.0	258.3	
2	7.863	7.863	0.000	739514	250.0	257.3	
RPD = 0.39							

\$ 24 DCB Decachlorobiphenyl

1	9.643	9.640	0.003	128633	150.0	157.7	
2	8.730	8.727	0.003	442919	150.0	149.8	
RPD = 5.16							

Reagents:

SGPESTL4_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106656.D

Injection Date: 11-Sep-2014 01:18:39

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD PESTL4

Worklist Smp#: 6

Client ID:

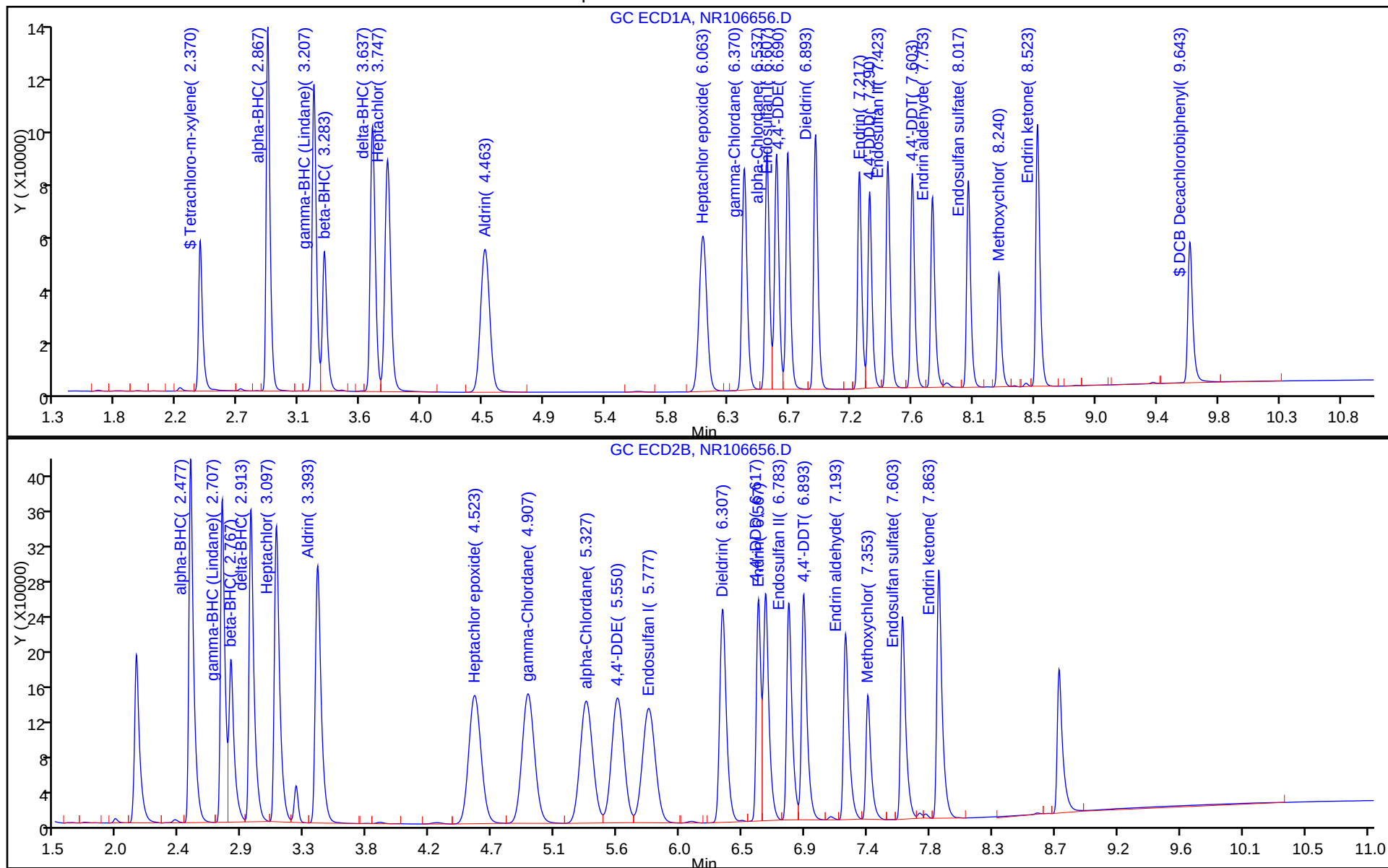
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106657.D
 Lims ID: STD PESTL5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Sep-2014 01:32:57 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-007
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:55 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D

Column 1 : Det: GC ECD1A

Column 2 : Det: GC ECD2B

Process Host: XAWRK030

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

\$ 4 Tetrachloro-m-xylene

1	2.370	2.370	0.000	142902	200.0	197.6	
2	2.087	2.087	0.000	615591	200.0	191.8	
RPD = 2.98							

15 alpha-BHC

1	2.867	2.867	0.000	500836	500.0	483.9	
2	2.477	2.477	0.000	1860681	500.0	496.6	
RPD = 2.58							

2 gamma-BHC (Lindane)

1	3.203	3.207	-0.004	454853	500.0	477.7	
2	2.707	2.707	0.000	1492765	500.0	494.1	
RPD = 3.36							

6 beta-BHC

1	3.280	3.283	-0.003	237675	500.0	498.4	
2	2.767	2.770	-0.003	941531	500.0	499.1	
RPD = 0.13							

32 delta-BHC

1	3.633	3.637	-0.004	486897	500.0	513.4	
2	2.910	2.910	0.000	1674154	500.0	496.5	
RPD = 3.35							

18 Heptachlor

1	3.747	3.747	0.000	499915	500.0	498.8	
2	3.093	3.097	-0.004	1694918	500.0	496.1	
RPD = 0.54							

8 Aldrin

1	4.460	4.463	-0.003	499722	500.0	502.2	
2	3.390	3.393	-0.003	1640135	500.0	496.2	
RPD = 1.22							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106657.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Heptachlor epoxide							
1	6.063	6.067	-0.004	447843	500.0	500.0	
2	4.517	4.520	-0.003	1730519	500.0	496.4	
						RPD = 0.72	
9 gamma-Chlordane							
1	6.367	6.370	-0.003	400993	500.0	497.6	
2	4.903	4.907	-0.004	1764622	500.0	496.9	
						RPD = 0.14	
23 alpha-Chlordane							
1	6.537	6.537	0.000	358145	500.0	496.7	
2	5.320	5.327	-0.007	1678035	500.0	495.9	
						RPD = 0.16	
7 Endosulfan I							
1	6.607	6.607	0.000	378220	500.0	497.8	
2	5.770	5.773	-0.003	1606216	500.0	496.0	
						RPD = 0.36	
25 4,4'-DDE							
1	6.687	6.690	-0.003	371380	500.0	498.7	
2	5.547	5.550	-0.003	1693234	500.0	497.2	
						RPD = 0.30	
30 Dieldrin							
1	6.893	6.893	0.000	394280	500.0	498.6	
2	6.307	6.310	-0.003	1525958	500.0	495.2	
						RPD = 0.68	
20 Endrin							
1	7.213	7.217	-0.004	318872	500.0	497.5	
2	6.563	6.567	-0.004	1046380	500.0	493.0	
						RPD = 0.92	
16 4,4'-DDD							
1	7.290	7.290	0.000	300177	500.0	499.0	
2	6.617	6.620	-0.003	1399237	500.0	497.5	
						RPD = 0.29	
11 Endosulfan II							
1	7.423	7.423	0.000	334570	500.0	497.6	
2	6.783	6.787	-0.004	1234775	500.0	494.8	
						RPD = 0.57	
21 4,4'-DDT							
1	7.603	7.603	0.000	308975	500.0	498.4	
2	6.890	6.893	-0.003	1324767	500.0	496.1	
						RPD = 0.46	
5 Endrin aldehyde							
1	7.750	7.753	-0.003	282481	500.0	496.6	
2	7.193	7.193	0.000	1074299	500.0	495.5	
						RPD = 0.23	
3 Endosulfan sulfate							
1	8.013	8.013	0.000	300351	500.0	497.8	
2	7.603	7.603	0.000	1113656	500.0	494.6	
						RPD = 0.65	

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106657.D

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

10 Methoxychlor

1	8.237	8.240	-0.003	159031	500.0	497.4	
2	7.353	7.357	-0.004	676413	500.0	496.0	
RPD = 0.28							

13 Endrin ketone

1	8.520	8.520	0.000	376504	500.0	495.7	
2	7.863	7.863	0.000	1402896	500.0	495.9	
RPD = 0.03							

\$ 24 DCB Decachlorobiphenyl

1	9.640	9.640	0.000	157844	200.0	194.6	
2	8.727	8.727	0.000	551134	200.0	186.4	
RPD = 4.33							

Reagents:

SGPESTL5_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106657.D

Injection Date: 11-Sep-2014 01:32:57

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD PESTL5

Worklist Smp#: 7

Client ID:

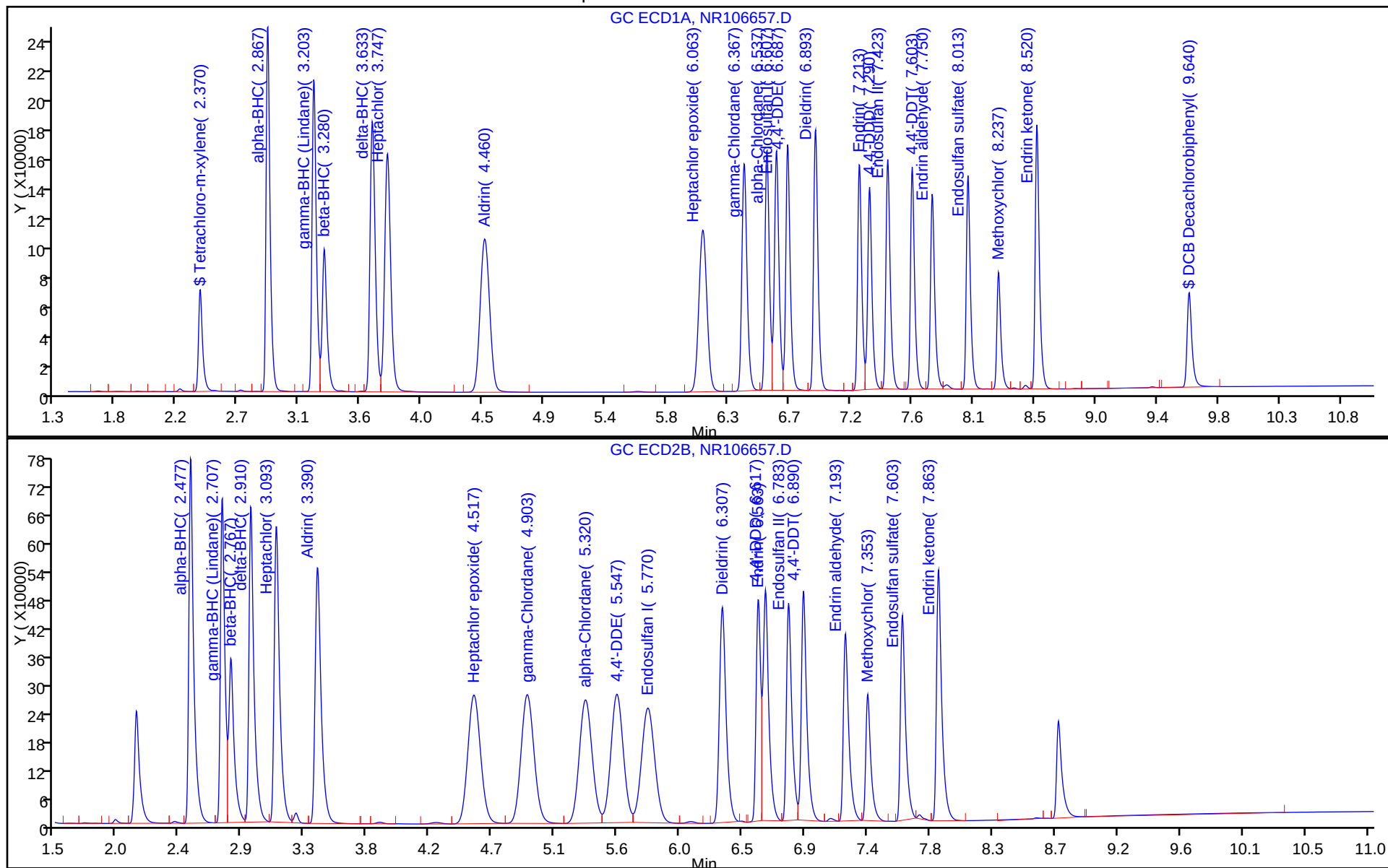
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 608GC6

Limit Group: GC 608 ICAL



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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 00:35 Calibration End Date: 09/11/2014 01:32 Calibration ID: 42576

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 460-248196/3	NR106653.D
Level 2	STD 460-248196/4	NR106654.D
Level 3	STD 460-248196/5	NR106655.D
Level 4	STD 460-248196/6	NR106656.D
Level 5	STD 460-248196/7	NR106657.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Tetrachloro-m-xylene (Surr)	2.090	2.090	2.087	2.087	2.087						2.040 - 2.140	2.088
DCB Decachlorobiphenyl	8.727	8.727	8.727	8.730	8.727						8.627 - 8.827	8.728

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 00:35 Calibration End Date: 09/11/2014 01:32 Calibration ID: 42576

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 460-248196/3	NR106653.D
Level 2	STD 460-248196/4	NR106654.D
Level 3	STD 460-248196/5	NR106655.D
Level 4	STD 460-248196/6	NR106656.D
Level 5	STD 460-248196/7	NR106657.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 3	LVL 4		B	M1	M2								
Tetrachloro-m-xylene (Surr)	3479.4 3078.0	3102.0	3134.1	3253.1	Ave		3209.30433				5.2		10.0			
DCB Decachlorobiphenyl	3294.2 2755.7	2909.0	2871.9	2952.8	Ave		2956.70467				6.8		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 00:35 Calibration End Date: 09/11/2014 01:32 Calibration ID: 42576

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 460-248196/3	NR106653.D
Level 2	STD 460-248196/4	NR106654.D
Level 3	STD 460-248196/5	NR106655.D
Level 4	STD 460-248196/6	NR106656.D
Level 5	STD 460-248196/7	NR106657.D

ANALYTE	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
Tetrachloro-m-xylene (Surr)	Ave	34794	155101	313406	487963	615591	10.0	50.0	100	150	200
DCB Decachlorobiphenyl	Ave	32942	145449	287188	442919	551134	10.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106653.D
 Lims ID: STD PESTL1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Sep-2014 00:35:52 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-003
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:50 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 07:03:03

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

\$ 4 Tetrachloro-m-xylene

1	2.370	2.367	0.003	7099	10.0	9.82	
2	2.090	2.090	0.000	34794	10.0	10.8	
RPD = 9.92							

15 alpha-BHC

1	2.867	2.867	0.000	4485	4.00	4.33	
2	2.480	2.480	0.000	26226	4.00	-0.4231	
RPD = 243.28							

2 gamma-BHC (Lindane)

1	3.207	3.203	0.004	4147	4.00	4.36	M
2	2.710	2.707	0.003	22484	4.00	-3.90	M
RPD = 3636.47							

6 beta-BHC

1	3.283	3.280	0.003	2721	4.00	1.43	M
2	2.773	2.770	0.003	14686	4.00	1.09	M
RPD = 27.15							

32 delta-BHC

1	3.637	3.633	0.004	3952	4.00	4.17	M
2	2.913	2.913	0.000	21950	4.00	-0.6290	M
RPD = 271.11							

18 Heptachlor

1	3.747	3.743	0.004	5145	4.00	5.32	M
2	3.100	3.097	0.003	24748	4.00	-2.07	M
RPD = 455.70							

8 Aldrin

1	4.463	4.460	0.003	4750	4.00	11.9	M
2	3.397	3.393	0.004	20507	4.00	-0.6565	M
RPD = 223.35							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106653.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Heptachlor epoxide							M
1	6.067	6.063	0.004	1946	4.00	6.43	M
2	4.527	4.523	0.004	23299	4.00	0.1130	
RPD = 193.10							
9 gamma-Chlordane							M
1	6.373	6.367	0.006	5527	4.00	2.33	M
2	4.910	4.910	0.000	26309	4.00	0.4102	
RPD = 140.14							
23 alpha-Chlordane							M
1	6.537	6.533	0.004	4401	4.00	0.2129	M
2	5.330	5.327	0.003	22093	4.00	0.4140	
RPD = 64.14							
7 Endosulfan I							M
1	6.607	6.607	0.000	4873	4.00	3.02	M
2	5.780	5.777	0.003	19631	4.00	2.33	
RPD = 25.94							
25 4,4'-DDE							M
1	6.690	6.687	0.003	4299	4.00	5.28	M
2	5.553	5.553	0.000	16499	4.00	5.36	
RPD = 1.41							
30 Dieldrin							M
1	6.893	6.893	0.000	4610	4.00	5.25	
2	6.310	6.310	0.000	18525	4.00	-0.4226	M
RPD = 234.98							
20 Endrin							M
1	7.217	7.213	0.004	3236	4.00	3.13	
2	6.570	6.567	0.003	15393	4.00	-2.94	M
RPD = 6404.27							
16 4,4'-DDD							M
1	7.290	7.290	0.000	2585	4.00	4.30	
2	6.620	6.620	0.000	16481	4.00	0.5720	M
RPD = 153.01							
11 Endosulfan II							
1	7.427	7.423	0.004	5503	4.00	1.44	
2	6.787	6.787	0.000	16838	4.00	-2.80	
RPD = -623.78							
21 4,4'-DDT							M
1	7.603	7.603	0.000	3274	4.00	3.91	
2	6.893	6.893	0.000	18981	4.00	0.0351	M
RPD = 196.44							
5 Endrin aldehyde							
1	7.753	7.750	0.003	3931	4.00	0.6160	
2	7.197	7.193	0.004	15517	4.00	-1.69	
RPD = -429.48							
3 Endosulfan sulfate							
1	8.013	8.017	-0.004	3662	4.00	2.72	
2	7.607	7.607	0.000	15952	4.00	-1.69	
RPD = 858.27							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106653.D

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

10 Methoxychlor

1	8.237	8.240	-0.003	2292	4.00	0.0740	
2	7.357	7.357	0.000	10393	4.00	-2.58	
RPD = -211.83							

13 Endrin ketone

1	8.520	8.527	-0.007	5665	4.00	-0.4101	
2	7.867	7.867	0.000	19463	4.00	-1.77	
RPD = -124.78							

\$ 24 DCB Decachlorobiphenyl

1	9.637	9.640	-0.003	11254	10.0	9.46	
2	8.727	8.727	0.000	32942	10.0	11.1	
RPD = 16.28							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG608PSTL1_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106653.D

Injection Date: 11-Sep-2014 00:35:52

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD PESTL1

Worklist Smp#: 3

Client ID:

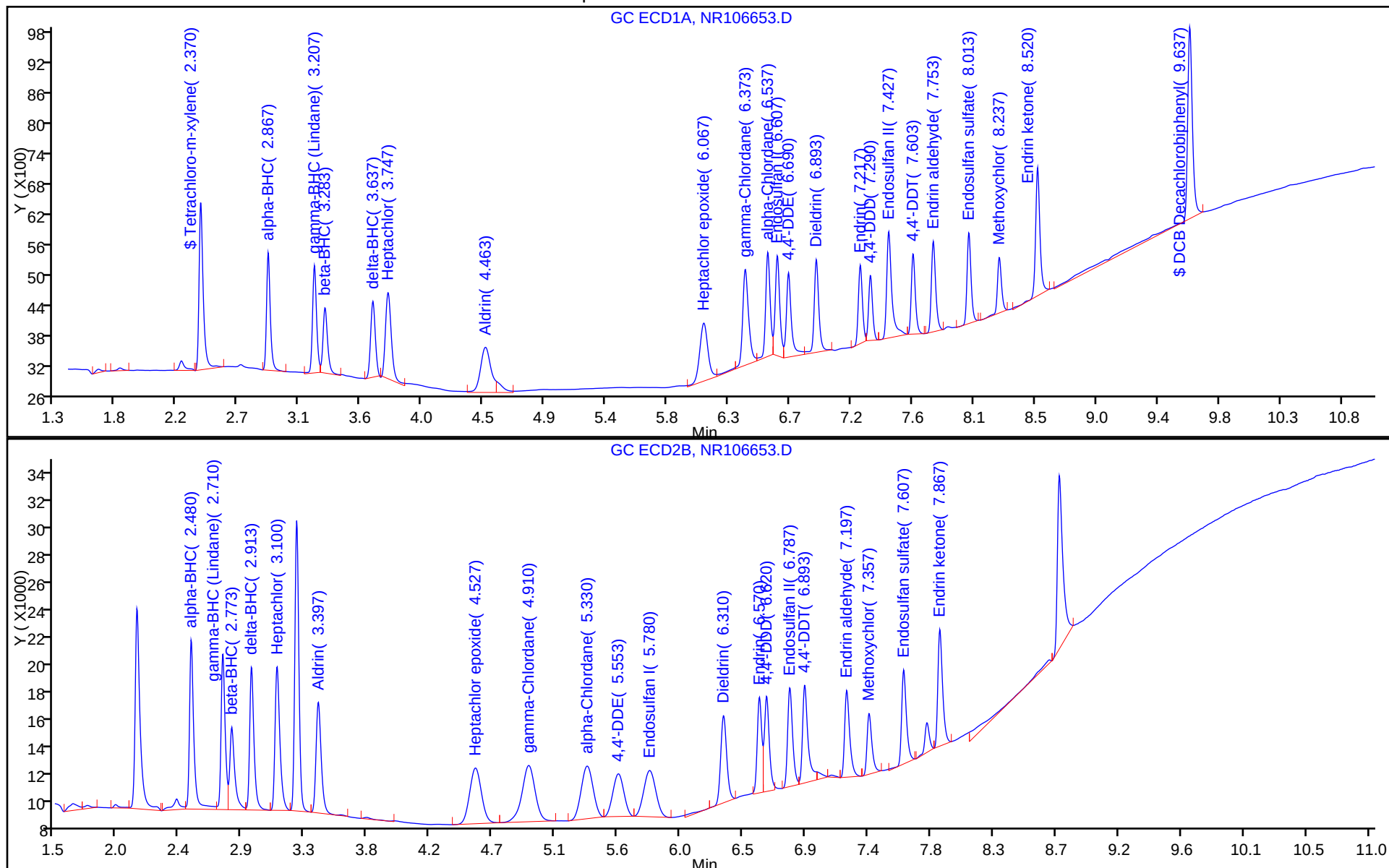
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106654.D
 Lims ID: STD PESTL2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Sep-2014 00:49:57 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-004
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:51 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 07:02:37

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

\$ 4 Tetrachloro-m-xylene

1	2.370	2.367	0.003	34529	50.0	47.7	
2	2.090	2.090	0.000	155101	50.0	48.3	
RPD = 1.21							

15 alpha-BHC

1	2.867	2.867	0.000	49612	50.0	47.9	
2	2.480	2.480	0.000	210873	50.0	49.6	
RPD = 3.41							

2 gamma-BHC (Lindane)

1	3.207	3.203	0.004	45982	50.0	48.3	
2	2.707	2.707	0.000	179139	50.0	49.2	
RPD = 1.77							

6 beta-BHC

1	3.283	3.280	0.003	26154	50.0	51.0	
2	2.770	2.770	0.000	107731	50.0	51.1	
RPD = 0.17							

32 delta-BHC

1	3.637	3.633	0.004	43328	50.0	45.7	
2	2.913	2.913	0.000	187653	50.0	49.2	
RPD = 7.46							

18 Heptachlor

1	3.747	3.743	0.004	47837	50.0	47.9	
2	3.097	3.097	0.000	199875	50.0	50.2	
RPD = 4.62							

8 Aldrin

1	4.460	4.460	0.000	41396	50.0	48.2	
2	3.393	3.393	0.000	183792	50.0	49.4	
RPD = 2.51							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106654.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Heptachlor epoxide							
1	6.063	6.063	0.000	40785	50.0	49.4	
2	4.523	4.523	0.000	192589	50.0	49.3	
						RPD = 0.20	
9 gamma-Chlordane							
1	6.370	6.367	0.003	42431	50.0	48.5	
2	4.907	4.910	-0.003	198794	50.0	49.7	
						RPD = 2.29	
23 alpha-Chlordane							
1	6.537	6.533	0.004	39169	50.0	49.0	
2	5.327	5.327	0.000	182512	50.0	48.4	
						RPD = 1.23	
7 Endosulfan I							
1	6.607	6.607	0.000	39063	50.0	48.3	
2	5.777	5.777	0.000	165588	50.0	47.7	
						RPD = 1.22	
25 4,4'-DDE							
1	6.690	6.687	0.003	35357	50.0	47.0	
2	5.550	5.553	-0.003	156534	50.0	46.4	
						RPD = 1.28	
30 Dieldrin							
1	6.893	6.893	0.000	38085	50.0	47.6	
2	6.310	6.310	0.000	167871	50.0	48.7	
						RPD = 2.17	
20 Endrin							
1	7.217	7.213	0.004	32319	50.0	48.7	M
2	6.567	6.567	0.000	124288	50.0	49.4	M
						RPD = 1.54	
16 4,4'-DDD							
1	7.290	7.290	0.000	28982	50.0	48.2	M
2	6.620	6.620	0.000	152036	50.0	49.3	M
						RPD = 2.29	
11 Endosulfan II							
1	7.423	7.423	0.000	38018	50.0	50.5	M
2	6.787	6.787	0.000	143466	50.0	48.9	M
						RPD = 3.07	
21 4,4'-DDT							
1	7.603	7.603	0.000	31288	50.0	49.2	M
2	6.893	6.893	0.000	145887	50.0	48.3	M
						RPD = 1.99	
5 Endrin aldehyde							
1	7.753	7.750	0.003	31578	50.0	49.8	M
2	7.197	7.193	0.004	124264	50.0	49.4	M
						RPD = 0.95	
3 Endosulfan sulfate							
1	8.013	8.017	-0.004	31389	50.0	49.0	
2	7.603	7.607	-0.004	128400	50.0	49.2	
						RPD = 0.34	

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106654.D

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

10 Methoxychlor

1	8.240	8.240	0.000	18095	50.0	50.2	
2	7.357	7.357	0.000	81333	50.0	50.5	
RPD = 0.62							

13 Endrin ketone

1	8.520	8.527	-0.007	42686	50.0	49.1	
2	7.867	7.867	0.000	163216	50.0	49.9	
RPD = 1.66							

\$ 24 DCB Decachlorobiphenyl

1	9.637	9.640	-0.003	41757	50.0	48.0	
2	8.727	8.727	0.000	145449	50.0	49.2	
RPD = 2.46							

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPESTL2_00018

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106654.D

Injection Date: 11-Sep-2014 00:49:57

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD PESTL2

Worklist Smp#: 4

Client ID:

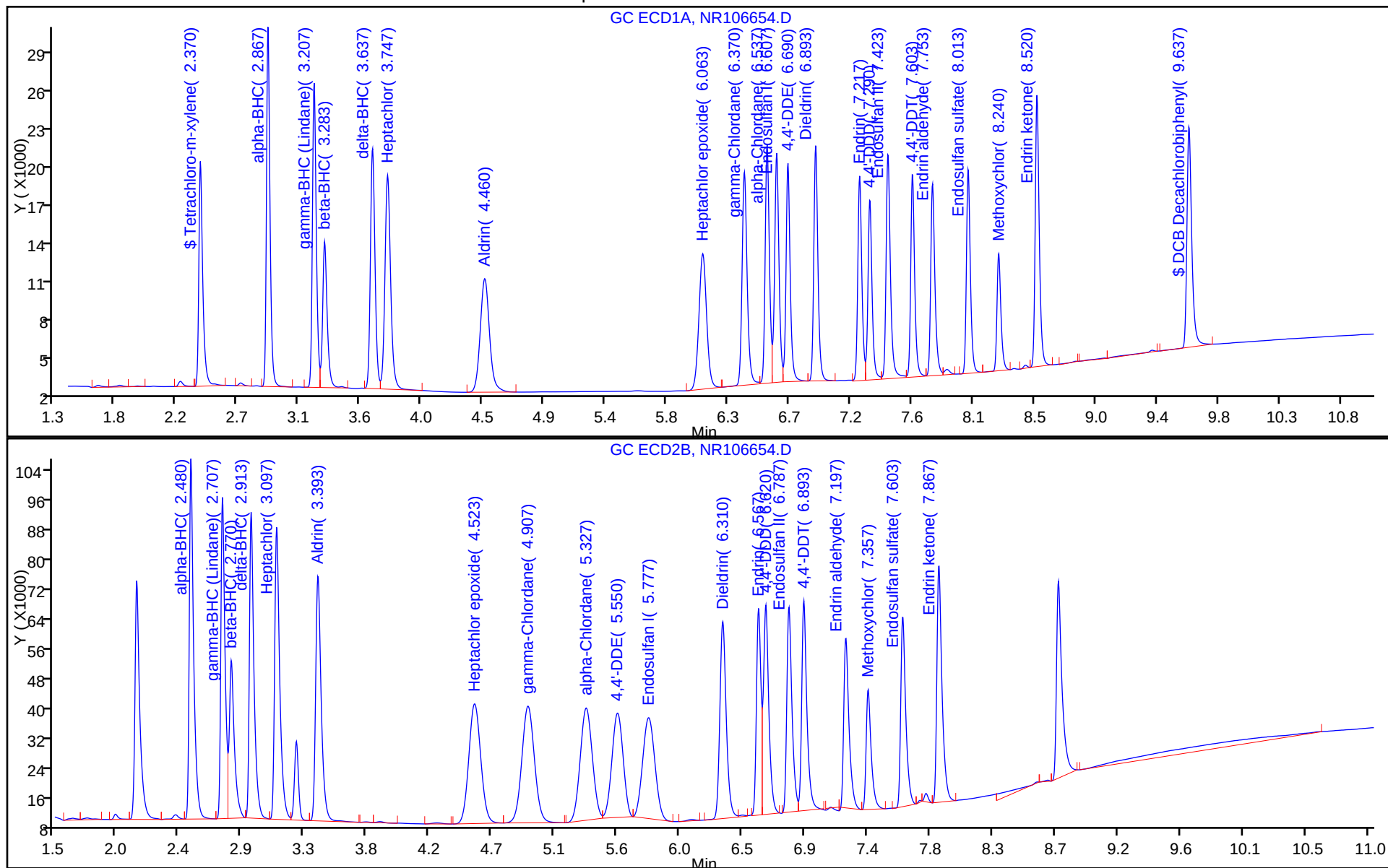
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106655.D
 Lims ID: STD PESTL3
 Client ID:
 Sample Type: ICRT Calib Level: 3
 Inject. Date: 11-Sep-2014 01:04:18 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-005
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:52 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last Ical File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: boykinc

Date: 11-Sep-2014 06:06:08

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

\$ 4 Tetrachloro-m-xylene

1	2.370	2.370	0.000	73488	100.0	101.6	
2	2.087	2.087	0.000	313406	100.0	97.7	
RPD = 3.98							

15 alpha-BHC

1	2.867	2.867	0.000	101980	100.0	98.5	
2	2.477	2.477	0.000	404526	100.0	102.1	
RPD = 3.52							

2 gamma-BHC (Lindane)

1	3.207	3.207	0.000	94073	100.0	98.8	
2	2.707	2.707	0.000	341615	100.0	104.2	
RPD = 5.30							

6 beta-BHC

1	3.283	3.283	0.000	49440	100.0	100.3	
2	2.770	2.770	0.000	202119	100.0	101.8	
RPD = 1.53							

32 delta-BHC

1	3.637	3.637	0.000	92526	100.0	97.6	
2	2.910	2.910	0.000	365726	100.0	102.8	
RPD = 5.23							

18 Heptachlor

1	3.747	3.747	0.000	98701	100.0	98.6	
2	3.097	3.097	0.000	377902	100.0	103.3	
RPD = 4.59							

8 Aldrin

1	4.463	4.463	0.000	86770	100.0	93.2	
2	3.393	3.393	0.000	355118	100.0	102.0	
RPD = 9.05							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106655.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Heptachlor epoxide							
1	6.067	6.067	0.000	83630	100.0	96.9	
2	4.520	4.520	0.000	371490	100.0	101.3	
						RPD = 4.52	
9 gamma-Chlordane							
1	6.370	6.370	0.000	83999	100.0	100.6	
2	4.907	4.907	0.000	378824	100.0	101.1	
						RPD = 0.48	
23 alpha-Chlordane							
1	6.537	6.537	0.000	76953	100.0	102.0	
2	5.327	5.327	0.000	358813	100.0	101.2	
						RPD = 0.86	
7 Endosulfan I							
1	6.607	6.607	0.000	78177	100.0	100.2	
2	5.773	5.773	0.000	330729	100.0	99.1	
						RPD = 1.04	
25 4,4'-DDE							
1	6.690	6.690	0.000	74519	100.0	99.7	
2	5.550	5.550	0.000	331705	100.0	97.8	
						RPD = 1.88	
30 Dieldrin							
1	6.893	6.893	0.000	78447	100.0	98.7	
2	6.310	6.310	0.000	327035	100.0	101.0	
						RPD = 2.28	
20 Endrin							
1	7.217	7.217	0.000	64453	100.0	99.0	
2	6.567	6.567	0.000	230242	100.0	100.4	
						RPD = 1.39	
16 4,4'-DDD							
1	7.290	7.290	0.000	58206	100.0	96.8	M
2	6.620	6.620	0.000	299969	100.0	102.5	M
						RPD = 5.73	
11 Endosulfan II							
1	7.423	7.423	0.000	70574	100.0	99.5	M
2	6.787	6.787	0.000	277883	100.0	103.8	M
						RPD = 4.23	
21 4,4'-DDT							
1	7.603	7.603	0.000	61785	100.0	98.6	M
2	6.893	6.893	0.000	288451	100.0	102.4	M
						RPD = 3.84	
5 Endrin aldehyde							
1	7.753	7.753	0.000	59832	100.0	100.2	
2	7.193	7.193	0.000	237773	100.0	102.7	
						RPD = 2.48	
3 Endosulfan sulfate							
1	8.013	8.013	0.000	61865	100.0	99.8	
2	7.603	7.603	0.000	244132	100.0	101.5	
						RPD = 1.62	

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106655.D

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

10 Methoxychlor

1	8.240	8.240	0.000	34349	100.0	101.8	
2	7.357	7.357	0.000	151927	100.0	103.4	

RPD = 1.54

13 Endrin ketone

1	8.520	8.520	0.000	81688	100.0	101.3	
2	7.863	7.863	0.000	309851	100.0	102.7	

RPD = 1.36

\$ 24 DCB Decachlorobiphenyl

1	9.640	9.640	0.000	83041	100.0	100.1	
2	8.727	8.727	0.000	287188	100.0	97.1	

RPD = 3.06

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPESTL3_00019

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106655.D

Injection Date: 11-Sep-2014 01:04:18

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD PESTL3

Worklist Smp#: 5

Client ID:

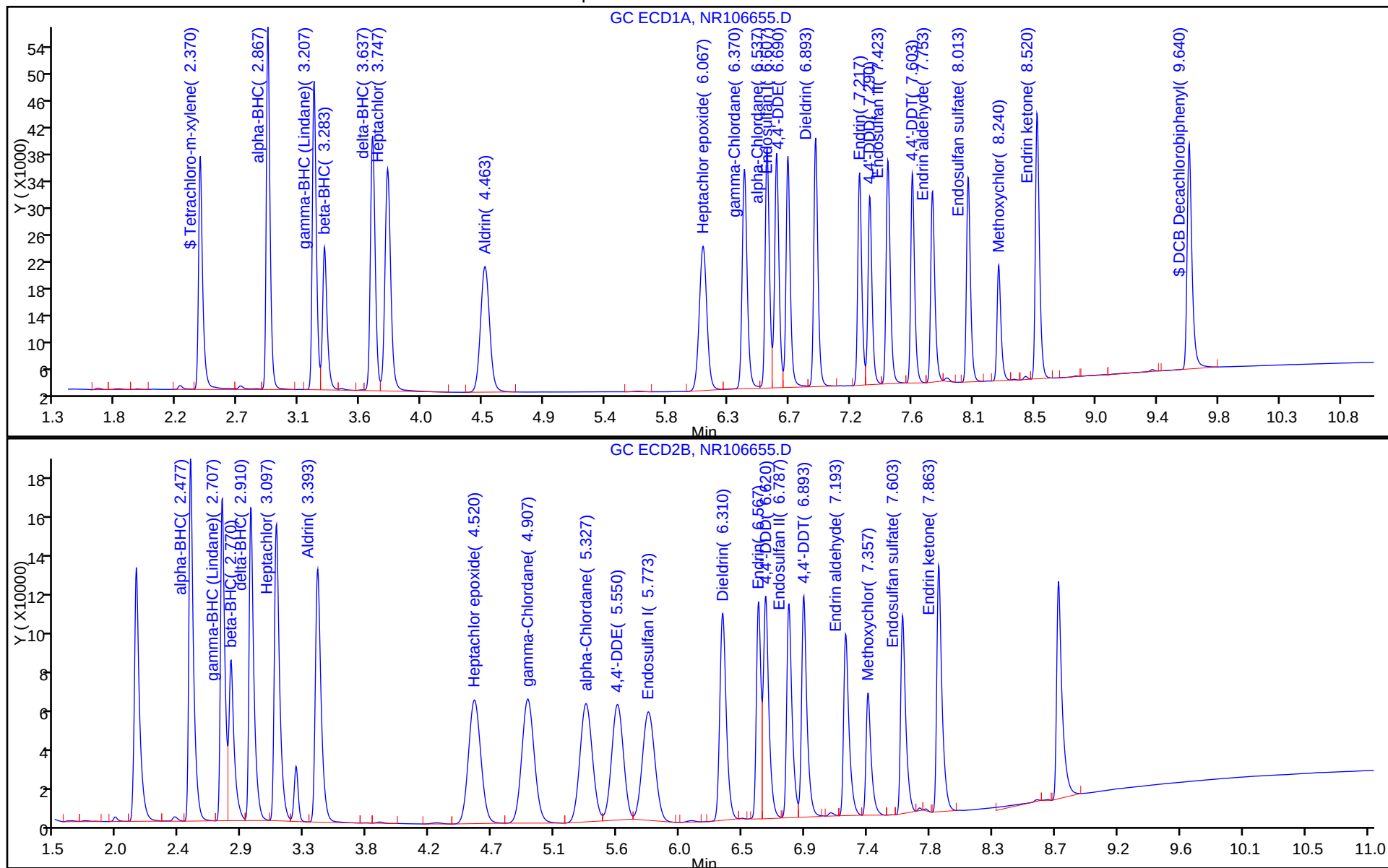
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106656.D
 Lims ID: STD PESTL4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Sep-2014 01:18:39 ALS Bottle#: 6 Worklist Smp#: 6
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-006
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:54 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D

Column 1 : Det: GC ECD1A

Column 2 : Det: GC ECD2B

Process Host: XAWRK030

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

\$ 4 Tetrachloro-m-xylene

1	2.370	2.370	0.000	114880	150.0	158.9	
2	2.087	2.087	0.000	487963	150.0	152.0	
RPD = 4.38							

15 alpha-BHC

1	2.867	2.867	0.000	259959	250.0	251.2	
2	2.477	2.477	0.000	973404	250.0	256.2	
RPD = 1.97							

2 gamma-BHC (Lindane)

1	3.207	3.207	0.000	238447	250.0	250.4	
2	2.707	2.707	0.000	803170	250.0	260.5	
RPD = 3.94							

6 beta-BHC

1	3.283	3.283	0.000	121612	250.0	252.9	
2	2.767	2.770	-0.003	479767	250.0	251.0	
RPD = 0.77							

32 delta-BHC

1	3.637	3.637	0.000	247001	250.0	260.5	
2	2.913	2.910	0.003	875051	250.0	256.1	
RPD = 1.70							

18 Heptachlor

1	3.747	3.747	0.000	253834	250.0	253.4	
2	3.097	3.097	0.000	891712	250.0	256.5	
RPD = 1.24							

8 Aldrin

1	4.463	4.463	0.000	243583	250.0	248.5	
2	3.393	3.393	0.000	860785	250.0	257.1	
RPD = 3.40							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106656.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Heptachlor epoxide							
1	6.063	6.067	-0.004	223085	250.0	251.2	
2	4.523	4.520	0.003	906131	250.0	256.8	
						RPD = 2.18	
9 gamma-Chlordane							
1	6.370	6.370	0.000	207281	250.0	255.0	
2	4.907	4.907	0.000	921193	250.0	256.0	
						RPD = 0.39	
23 alpha-Chlordane							
1	6.537	6.537	0.000	186662	250.0	256.0	
2	5.327	5.327	0.000	883293	250.0	258.1	
						RPD = 0.81	
7 Endosulfan I							
1	6.607	6.607	0.000	194767	250.0	254.7	
2	5.777	5.773	0.004	843739	250.0	258.8	
						RPD = 1.59	
25 4,4'-DDE							
1	6.690	6.690	0.000	188836	250.0	253.3	
2	5.550	5.550	0.000	875156	250.0	257.2	
						RPD = 1.52	
30 Dieldrin							
1	6.893	6.893	0.000	200926	250.0	253.8	
2	6.307	6.310	-0.003	809180	250.0	259.5	
						RPD = 2.24	
20 Endrin							
1	7.217	7.217	0.000	164482	250.0	255.7	
2	6.567	6.567	0.000	570655	250.0	264.1	
						RPD = 3.25	
16 4,4'-DDD							
1	7.290	7.290	0.000	149925	250.0	249.2	
2	6.617	6.620	-0.003	722032	250.0	254.1	
						RPD = 1.96	
11 Endosulfan II							
1	7.423	7.423	0.000	173663	250.0	255.0	
2	6.783	6.787	-0.004	658253	250.0	259.2	
						RPD = 1.66	
21 4,4'-DDT							
1	7.603	7.603	0.000	157815	250.0	253.9	
2	6.893	6.893	0.000	695711	250.0	257.1	
						RPD = 1.27	
5 Endrin aldehyde							
1	7.753	7.753	0.000	147752	250.0	256.7	
2	7.193	7.193	0.000	568776	250.0	258.1	
						RPD = 0.54	
3 Endosulfan sulfate							
1	8.017	8.013	0.004	154611	250.0	254.6	
2	7.603	7.603	0.000	595753	250.0	260.5	
						RPD = 2.26	

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106656.D

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

10 Methoxychlor

1	8.240	8.240	0.000	82496	250.0	254.5	
2	7.353	7.357	-0.004	356784	250.0	256.7	
RPD = 0.85							

13 Endrin ketone

1	8.523	8.520	0.003	198997	250.0	258.3	
2	7.863	7.863	0.000	739514	250.0	257.3	
RPD = 0.39							

\$ 24 DCB Decachlorobiphenyl

1	9.643	9.640	0.003	128633	150.0	157.7	
2	8.730	8.727	0.003	442919	150.0	149.8	
RPD = 5.16							

Reagents:

SGPESTL4_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106656.D

Injection Date: 11-Sep-2014 01:18:39

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD PESTL4

Worklist Smp#: 6

Client ID:

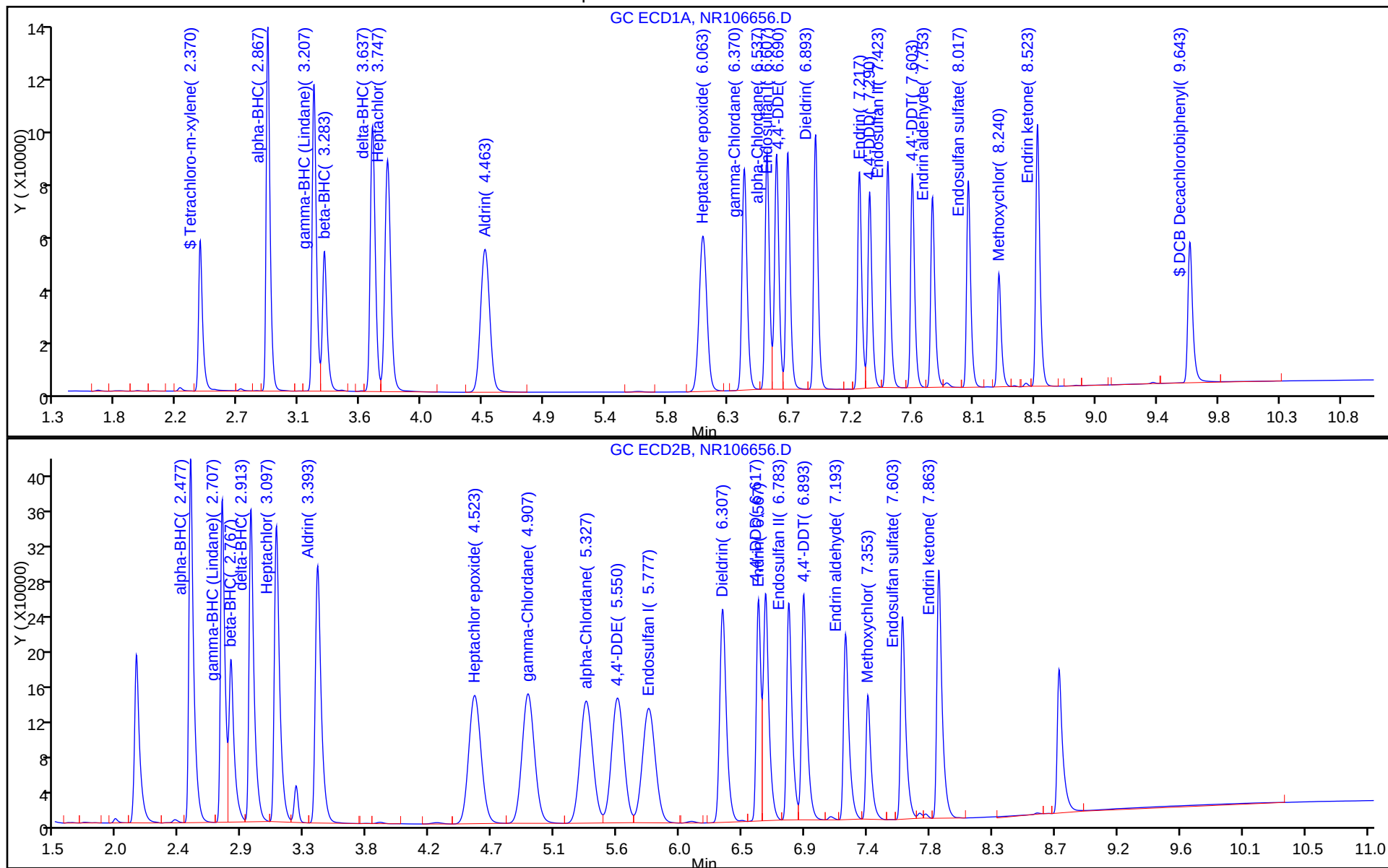
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 6

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106657.D
 Lims ID: STD PESTL5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Sep-2014 01:32:57 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-007
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:55 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B

Process Host: XAWRK030

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

\$ 4 Tetrachloro-m-xylene

1	2.370	2.370	0.000	142902	200.0	197.6	
2	2.087	2.087	0.000	615591	200.0	191.8	
RPD = 2.98							

15 alpha-BHC

1	2.867	2.867	0.000	500836	500.0	483.9	
2	2.477	2.477	0.000	1860681	500.0	496.6	
RPD = 2.58							

2 gamma-BHC (Lindane)

1	3.203	3.207	-0.004	454853	500.0	477.7	
2	2.707	2.707	0.000	1492765	500.0	494.1	
RPD = 3.36							

6 beta-BHC

1	3.280	3.283	-0.003	237675	500.0	498.4	
2	2.767	2.770	-0.003	941531	500.0	499.1	
RPD = 0.13							

32 delta-BHC

1	3.633	3.637	-0.004	486897	500.0	513.4	
2	2.910	2.910	0.000	1674154	500.0	496.5	
RPD = 3.35							

18 Heptachlor

1	3.747	3.747	0.000	499915	500.0	498.8	
2	3.093	3.097	-0.004	1694918	500.0	496.1	
RPD = 0.54							

8 Aldrin

1	4.460	4.463	-0.003	499722	500.0	502.2	
2	3.390	3.393	-0.003	1640135	500.0	496.2	
RPD = 1.22							

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106657.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Heptachlor epoxide							
1	6.063	6.067	-0.004	447843	500.0	500.0	
2	4.517	4.520	-0.003	1730519	500.0	496.4	
						RPD = 0.72	
9 gamma-Chlordane							
1	6.367	6.370	-0.003	400993	500.0	497.6	
2	4.903	4.907	-0.004	1764622	500.0	496.9	
						RPD = 0.14	
23 alpha-Chlordane							
1	6.537	6.537	0.000	358145	500.0	496.7	
2	5.320	5.327	-0.007	1678035	500.0	495.9	
						RPD = 0.16	
7 Endosulfan I							
1	6.607	6.607	0.000	378220	500.0	497.8	
2	5.770	5.773	-0.003	1606216	500.0	496.0	
						RPD = 0.36	
25 4,4'-DDE							
1	6.687	6.690	-0.003	371380	500.0	498.7	
2	5.547	5.550	-0.003	1693234	500.0	497.2	
						RPD = 0.30	
30 Dieldrin							
1	6.893	6.893	0.000	394280	500.0	498.6	
2	6.307	6.310	-0.003	1525958	500.0	495.2	
						RPD = 0.68	
20 Endrin							
1	7.213	7.217	-0.004	318872	500.0	497.5	
2	6.563	6.567	-0.004	1046380	500.0	493.0	
						RPD = 0.92	
16 4,4'-DDD							
1	7.290	7.290	0.000	300177	500.0	499.0	
2	6.617	6.620	-0.003	1399237	500.0	497.5	
						RPD = 0.29	
11 Endosulfan II							
1	7.423	7.423	0.000	334570	500.0	497.6	
2	6.783	6.787	-0.004	1234775	500.0	494.8	
						RPD = 0.57	
21 4,4'-DDT							
1	7.603	7.603	0.000	308975	500.0	498.4	
2	6.890	6.893	-0.003	1324767	500.0	496.1	
						RPD = 0.46	
5 Endrin aldehyde							
1	7.750	7.753	-0.003	282481	500.0	496.6	
2	7.193	7.193	0.000	1074299	500.0	495.5	
						RPD = 0.23	
3 Endosulfan sulfate							
1	8.013	8.013	0.000	300351	500.0	497.8	
2	7.603	7.603	0.000	1113656	500.0	494.6	
						RPD = 0.65	

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106657.D

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

10 Methoxychlor

1	8.237	8.240	-0.003	159031	500.0	497.4	
2	7.353	7.357	-0.004	676413	500.0	496.0	
RPD = 0.28							

13 Endrin ketone

1	8.520	8.520	0.000	376504	500.0	495.7	
2	7.863	7.863	0.000	1402896	500.0	495.9	
RPD = 0.03							

\$ 24 DCB Decachlorobiphenyl

1	9.640	9.640	0.000	157844	200.0	194.6	
2	8.727	8.727	0.000	551134	200.0	186.4	
RPD = 4.33							

Reagents:

SGPESTL5_00017

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106657.D

Injection Date: 11-Sep-2014 01:32:57

Instrument ID: CPESTGC6

Operator ID:

Lims ID: STD PESTL5

Worklist Smp#: 7

Client ID:

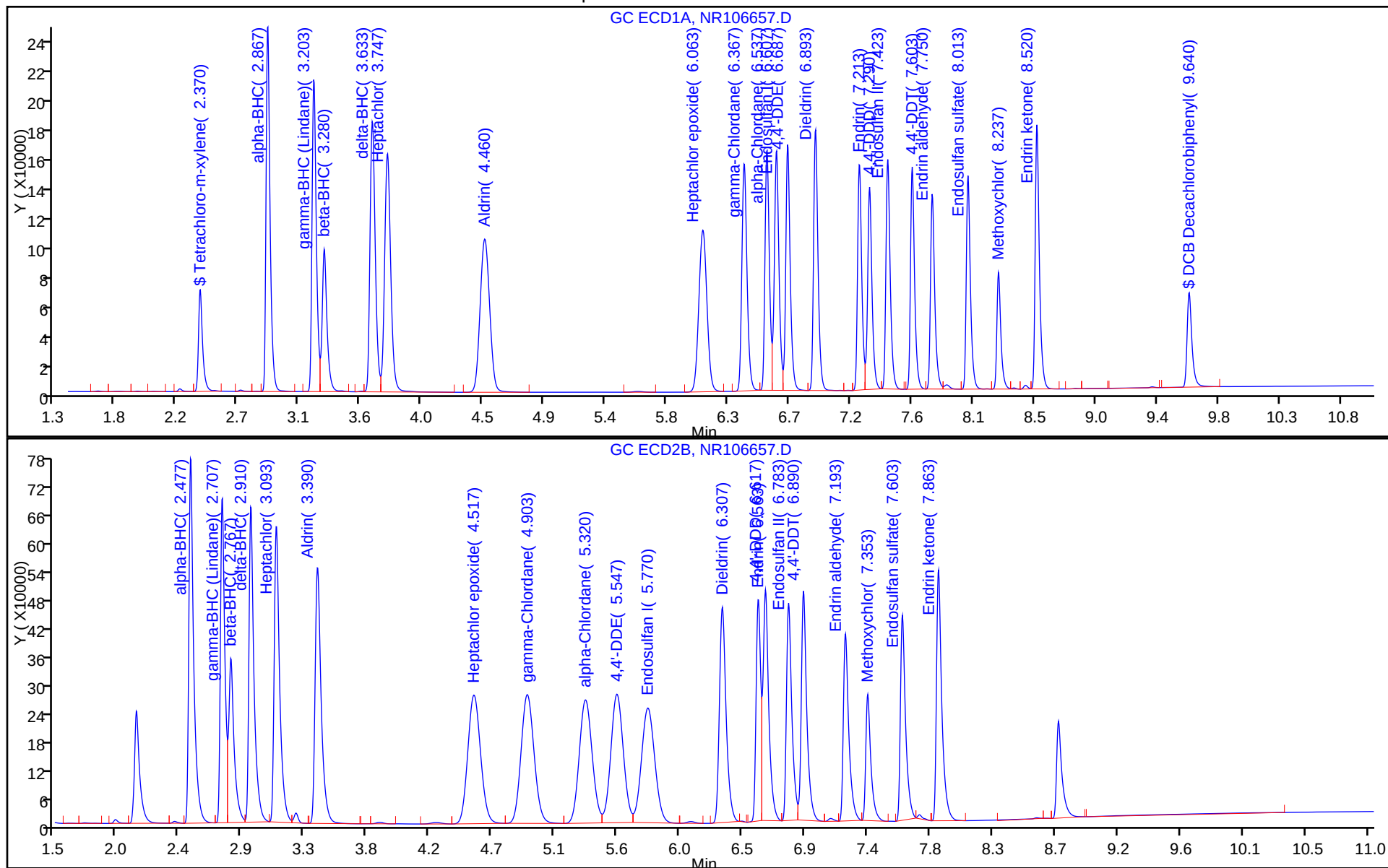
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 608GC6

Limit Group: GC 608 ICAL



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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 02:13 Calibration End Date: 09/11/2014 03:27 Calibration ID: 42577

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-248196/10	NR106660.D
Level 2	IC 460-248196/11	NR106661.D
Level 3	IC 460-248196/12	NR106662.D
Level 4	IC 460-248196/13	NR106663.D
Level 5	IC 460-248196/14	NR106664.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	2.747	2.747	2.747	2.750	2.747						2.647 - 2.847	2.748
PCB-1016 Peak 2	3.103	3.103	3.103	3.107	3.100						3.000 - 3.200	3.103
PCB-1016 Peak 3	3.580	3.577	3.580	3.587	3.580						3.477 - 3.677	3.581
PCB-1016 Peak 4	3.770	3.770	3.773	3.783	3.773						3.670 - 3.870	3.774
PCB-1016 Peak 5	3.943	3.943	3.950	3.960	3.947						3.843 - 4.043	3.949
PCB-1260 Peak 1	7.043	7.043	7.043	7.047	7.043						6.940 - 7.140	7.044
PCB-1260 Peak 2	7.250	7.247	7.247	7.253	7.247						7.147 - 7.347	7.249
PCB-1260 Peak 3	7.607	7.607	7.607	7.613	7.607						7.507 - 7.707	7.608
PCB-1260 Peak 4	7.980	7.980	7.980	7.987	7.980						7.880 - 8.080	7.981
PCB-1260 Peak 5	9.047	9.047	9.050	9.060	9.050						8.950 - 9.150	9.051

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 02:13 Calibration End Date: 09/11/2014 03:27 Calibration ID: 42577

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-248196/10	NR106660.D
Level 2	IC 460-248196/11	NR106661.D
Level 3	IC 460-248196/12	NR106662.D
Level 4	IC 460-248196/13	NR106663.D
Level 5	IC 460-248196/14	NR106664.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 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	15.580 14.888	17.636	16.403	15.095	Ave		15.9203867				7.1		10.0			
PCB-1016 Peak 2	32.300 25.650	29.540	28.027	26.331	Ave		28.3696133				9.4		10.0			
PCB-1016 Peak 3	55.900 51.993	55.832	54.526	51.197	Ave		53.8897067				4.1		10.0			
PCB-1016 Peak 4	24.300 24.485	25.084	25.531	22.715	Ave		24.4228933				4.4		10.0			
PCB-1016 Peak 5	16.180 19.019	16.896	18.789	16.586	Ave		17.4940400				7.5		10.0			
PCB-1260 Peak 1	36.620 30.608	35.346	32.713	31.410	Ave		33.3393200				7.7		10.0			
PCB-1260 Peak 2	36.660 34.032	39.690	36.591	35.953	Ave		36.5852133				5.6		10.0			
PCB-1260 Peak 3	54.220 48.659	53.232	50.747	49.183	Ave		51.2081733				4.8		10.0			
PCB-1260 Peak 4	27.620 28.400	31.086	29.599	28.987	Ave		29.1382533				4.5		10.0			
PCB-1260 Peak 5	24.080 23.792	24.152	23.334	22.686	Ave		23.6088000				2.6		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 02:13 Calibration End Date: 09/11/2014 03:27 Calibration ID: 42577

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-248196/10	NR106660.D
Level 2	IC 460-248196/11	NR106661.D
Level 3	IC 460-248196/12	NR106662.D
Level 4	IC 460-248196/13	NR106663.D
Level 5	IC 460-248196/14	NR106664.D

ANALYTE	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
PCB-1016 Peak 1	Ave	779	8818	16403	22643	37219	50.0	500	1000	1500	2500
PCB-1016 Peak 2	Ave	1615	14770	28027	39496	64126	50.0	500	1000	1500	2500
PCB-1016 Peak 3	Ave	2795	27916	54526	76796	129983	50.0	500	1000	1500	2500
PCB-1016 Peak 4	Ave	1215	12542	25531	34072	61212	50.0	500	1000	1500	2500
PCB-1016 Peak 5	Ave	809	8448	18789	24879	47548	50.0	500	1000	1500	2500
PCB-1260 Peak 1	Ave	1831	17673	32713	47115	76519	50.0	500	1000	1500	2500
PCB-1260 Peak 2	Ave	1833	19845	36591	53929	85081	50.0	500	1000	1500	2500
PCB-1260 Peak 3	Ave	2711	26616	50747	73774	121648	50.0	500	1000	1500	2500
PCB-1260 Peak 4	Ave	1381	15543	29599	43480	70999	50.0	500	1000	1500	2500
PCB-1260 Peak 5	Ave	1204	12076	23334	34029	59480	50.0	500	1000	1500	2500

Curve Type Legend:

Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106660.D
 Lims ID: IC PCBL1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Sep-2014 02:13:45 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-010
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub24
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:57 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors Date: 11-Sep-2014 07:30:47

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

33 PCB-1016 M

1	2.747	2.747	0.000	779	50.0	48.9	M
1	3.103	3.100	0.003	1615	50.0	56.9	M
1	3.580	3.577	0.003	2795	50.0	51.9	
1	3.770	3.770	0.000	1215	50.0	49.7	M
1	3.943	3.943	0.000	809	50.0	46.2	M

Average of Peak Amounts = 50.7

2	2.337	2.333	0.004	4364	50.0	55.7	M
2	2.583	2.580	0.003	6267	50.0	52.6	M
2	2.723	2.723	0.000	4552	50.0	51.1	M
2	3.040	3.037	0.003	4795	50.0	51.4	M
2	3.090	3.090	0.000	3804	50.0	47.7	M

Average of Peak Amounts = 51.7

RPD = 1.84

41 PCB-1260 M

1	7.043	7.040	0.003	1831	50.0	54.9	
1	7.250	7.247	0.003	1833	50.0	50.1	M
1	7.607	7.607	0.000	2711	50.0	52.9	M
1	7.980	7.980	0.000	1381	50.0	47.4	
1	9.047	9.050	-0.003	1204	50.0	51.0	M

Average of Peak Amounts = 51.3

2	6.293	6.280	0.013	7911	50.0	52.4	
2	6.870	6.863	0.007	12394	50.0	54.0	M
2	6.980	6.967	0.013	7004	50.0	55.9	M
2	7.220	7.210	0.010	5715	50.0	48.6	M
2	7.773	7.767	0.006	11809	50.0	57.4	M

Average of Peak Amounts = 53.7

RPD = 4.55

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660608LVL1_00003

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106660.D

Injection Date: 11-Sep-2014 02:13:45

Instrument ID: CPESTGC6

Operator ID:

Lims ID: IC PCBL1

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

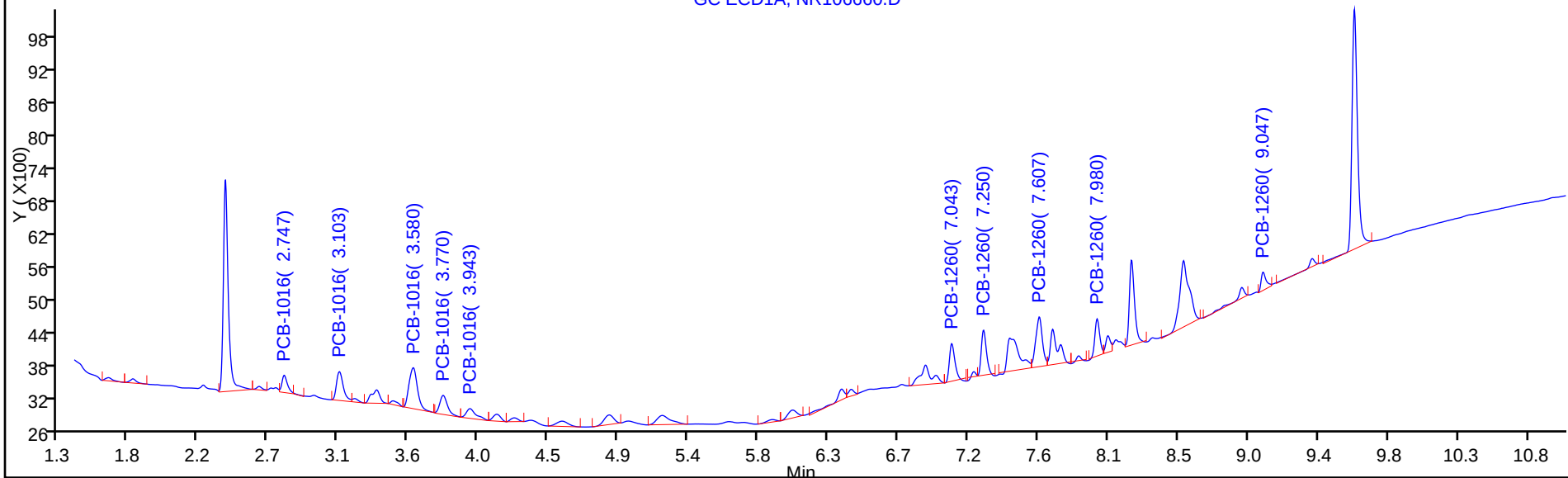
Dil. Factor: 1.0000

ALS Bottle#: 10

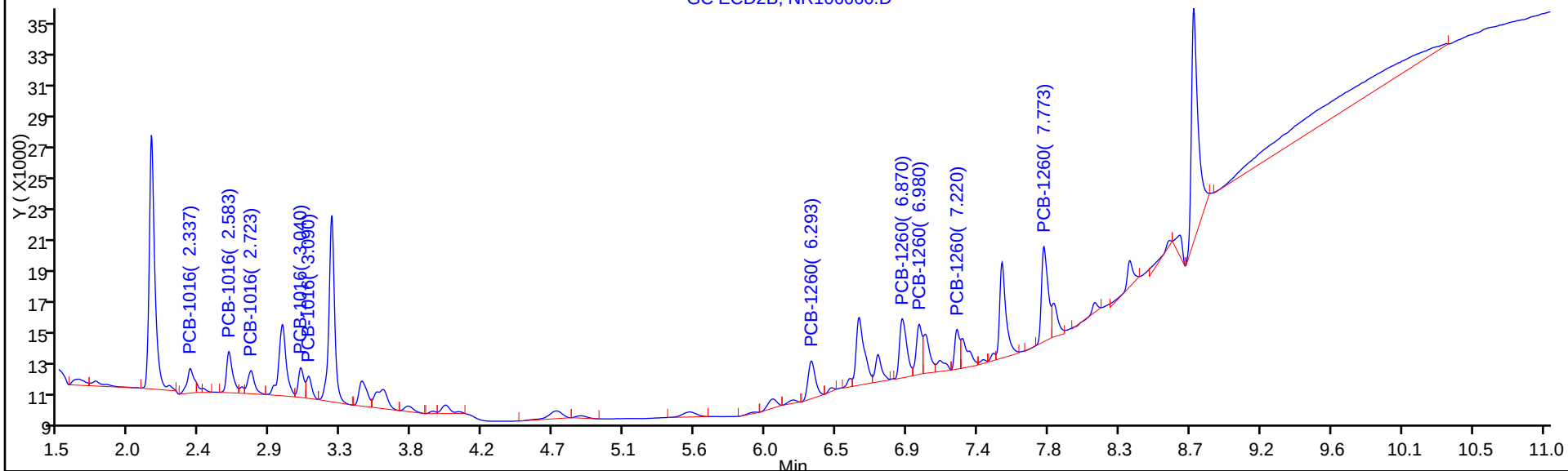
Method: 608GC6

Limit Group: GC 608 ICAL

GC ECD1A, NR106660.D



GC ECD2B, NR106660.D



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106660.D

Injection Date: 11-Sep-2014 02:13:45

Instrument ID: CPESTGC6

Lims ID: IC PCBL1

Client ID:

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

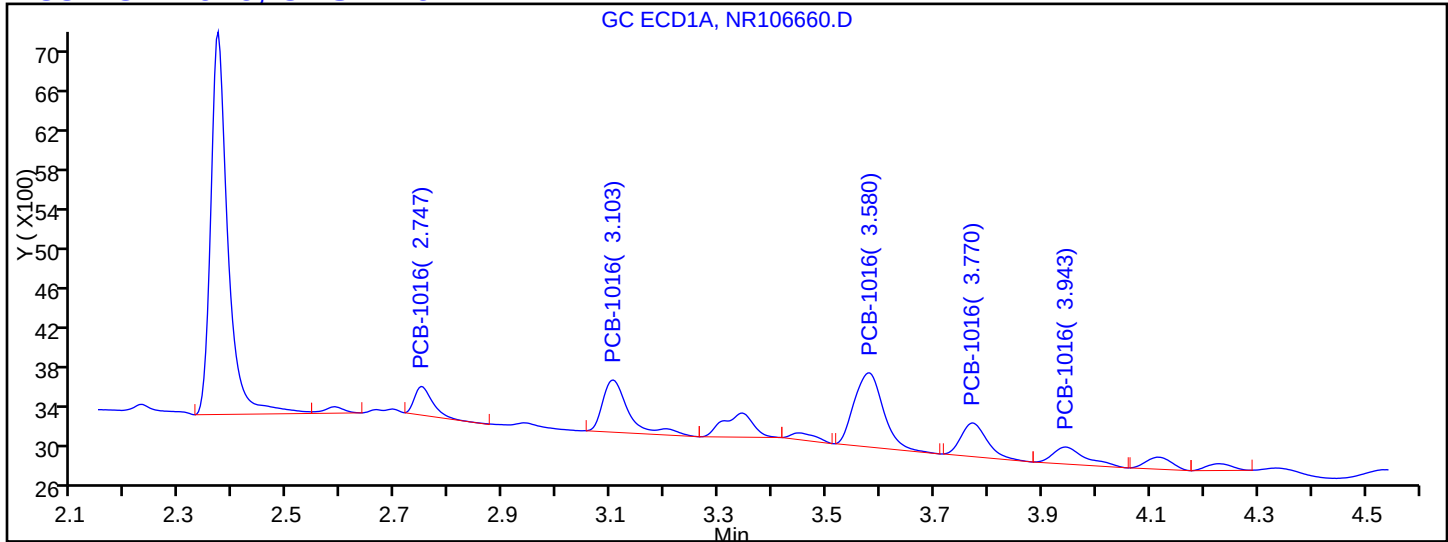
Limit Group:

GC 608 ICAL

Column:

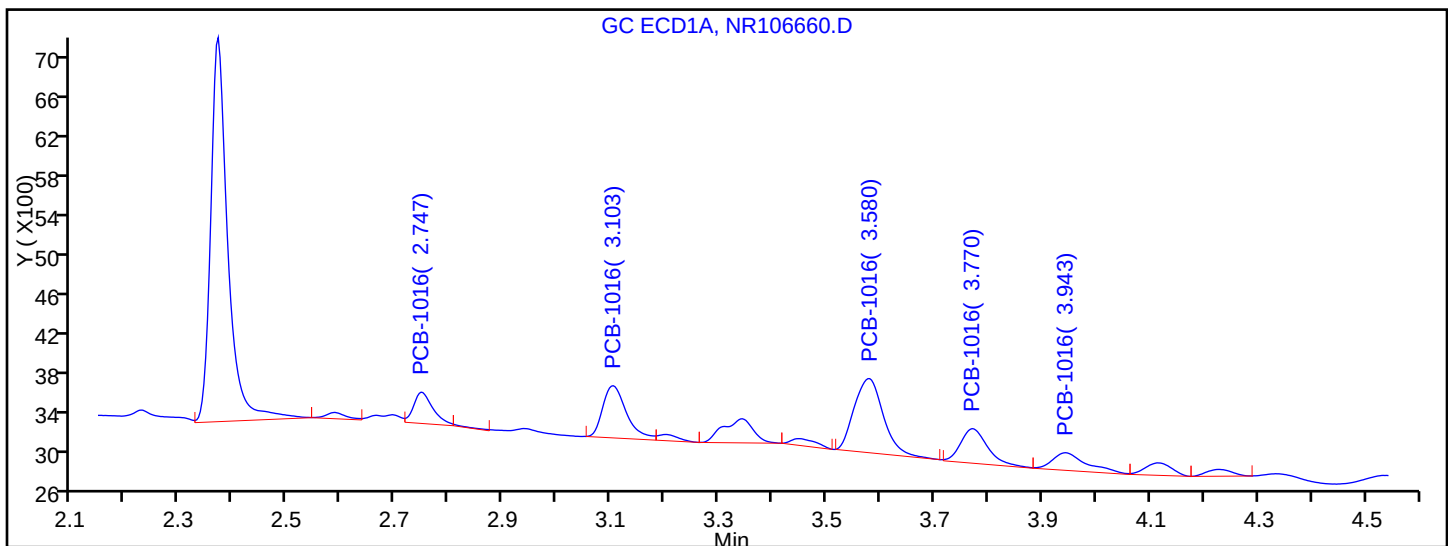
Detector

GC ECD1A

33 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.747	Response = 676	M
RT = 3.103	Response = 1774	M
RT = 3.580	Response = 2795	
RT = 3.770	Response = 1135	M
RT = 3.943	Response = 718	M



Manual Integration Results

RT = 2.747	Response = 779	M
RT = 3.103	Response = 1615	M
RT = 3.580	Response = 2795	
RT = 3.770	Response = 1215	M
RT = 3.943	Response = 809	M

Reviewer: kapoors, 11-Sep-2014 07:40:46

Audit Action: Split an Integrated Peak

Page 632 of 1090

10/30/2014

Audit Reason: Incomplete Integration

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106660.D

Injection Date: 11-Sep-2014 02:13:45

Instrument ID: CPESTGC6

Lims ID: IC PCBL1

Client ID:

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

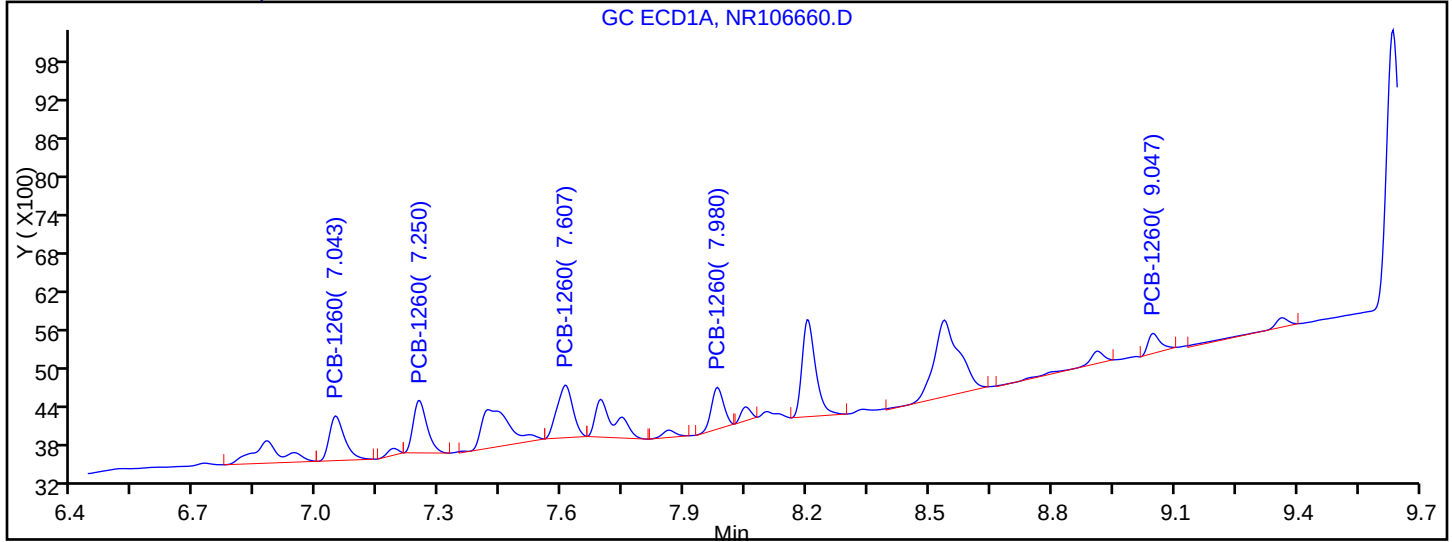
Limit Group:

GC 608 ICAL

Column:

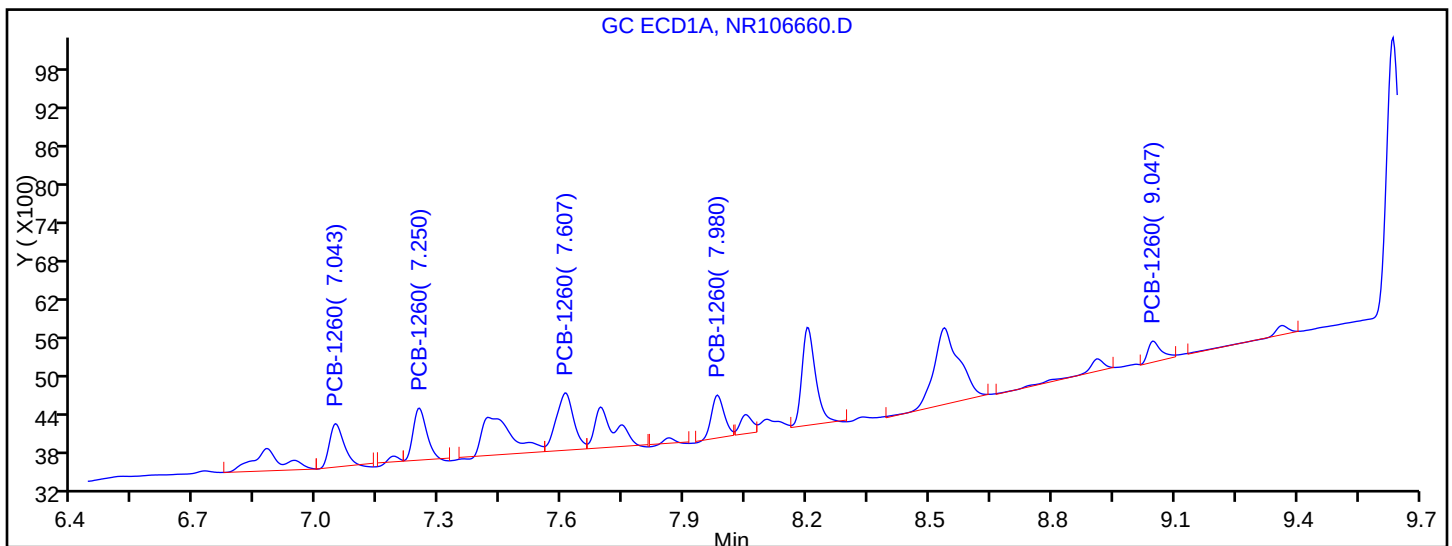
Detector

GC ECD1A

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 7.043	Response = 1831	
RT = 7.250	Response = 1942	M
RT = 7.607	Response = 2240	M
RT = 7.980	Response = 1381	
RT = 9.047	Response = 650	M



Manual Integration Results

RT = 7.043	Response = 1831	
RT = 7.250	Response = 1833	M
RT = 7.607	Response = 2711	M
RT = 7.980	Response = 1381	
RT = 9.047	Response = 1204	M

Reviewer: kapoors, 11-Sep-2014 07:30:47

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106661.D
 Lims ID: IC PCBL2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Sep-2014 02:27:23 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-011
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub24
 Method: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:58 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 07:33:03

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

33 PCB-1016

							M
1	2.747	2.747	0.000	8818	500.0	553.9	M
1	3.103	3.100	0.003	14770	500.0	520.6	
1	3.577	3.577	0.000	27916	500.0	518.0	M
1	3.770	3.770	0.000	12542	500.0	513.5	M
1	3.943	3.943	0.000	8448	500.0	482.9	M

Average of Peak Amounts = 517.8

2	2.337	2.333	0.004	41528	500.0	529.9	
2	2.583	2.580	0.003	64581	500.0	541.9	
2	2.723	2.723	0.000	48193	500.0	540.5	
2	3.040	3.037	0.003	49072	500.0	525.7	
2	3.090	3.090	0.000	42438	500.0	532.5	

Average of Peak Amounts = 534.1

RPD = 3.10

41 PCB-1260

							M
1	7.043	7.040	0.003	17673	500.0	530.1	M
1	7.247	7.247	0.000	19845	500.0	542.4	M
1	7.607	7.607	0.000	26616	500.0	519.8	M
1	7.980	7.980	0.000	15543	500.0	533.4	M
1	9.047	9.050	-0.003	12076	500.0	511.5	

Average of Peak Amounts = 527.4

2	6.290	6.280	0.010	77769	500.0	515.5	M
2	6.870	6.863	0.007	117280	500.0	510.9	M
2	6.973	6.967	0.006	65816	500.0	525.0	M
2	7.217	7.210	0.007	61997	500.0	527.2	M
2	7.770	7.767	0.003	100507	500.0	488.6	

Average of Peak Amounts = 513.4

RPD = 2.69

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660608L2_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106661.D

Injection Date: 11-Sep-2014 02:27:23

Instrument ID: CPESTGC6

Operator ID:

Lims ID: IC PCBL2

Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul

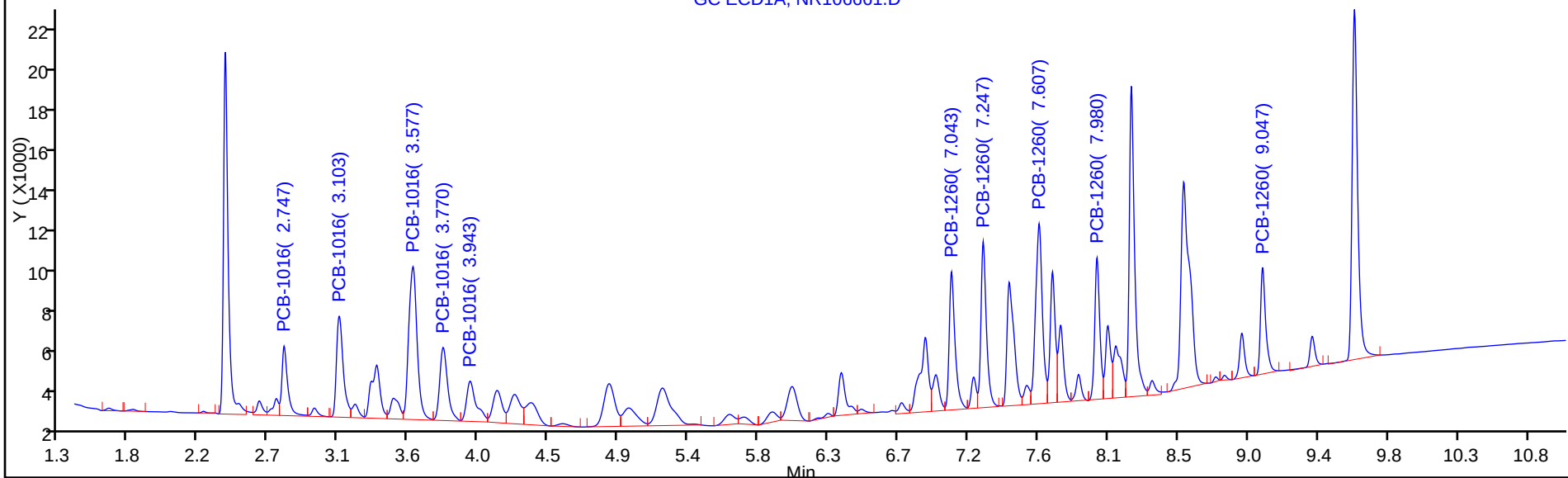
Dil. Factor: 1.0000

ALS Bottle#: 11

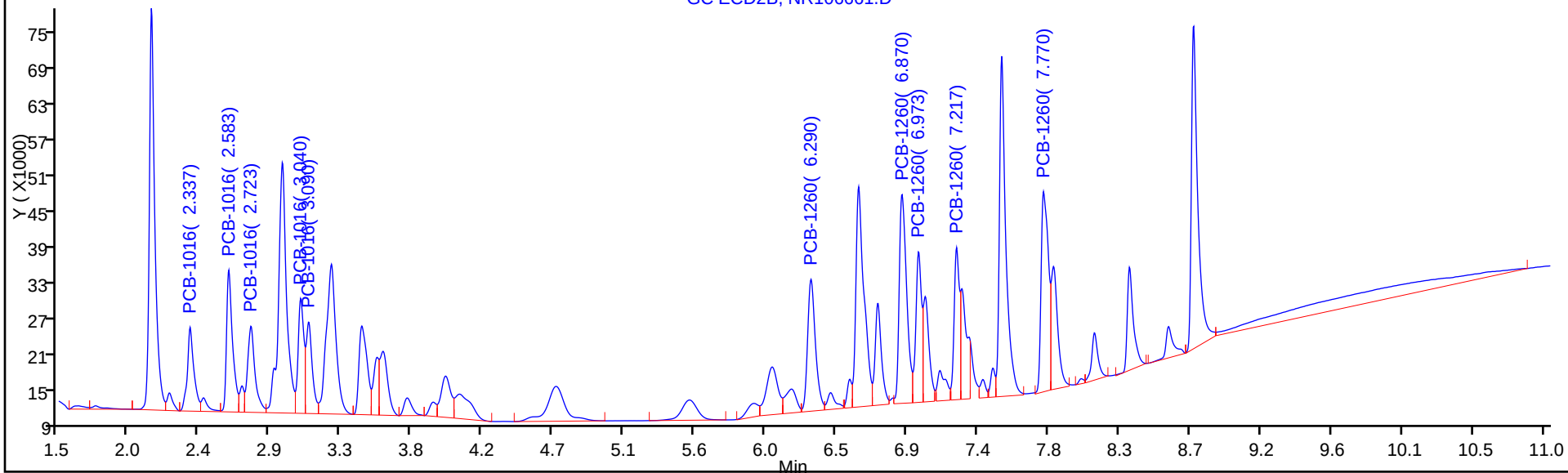
Method: 608GC6

Limit Group: GC 608 ICAL

GC ECD1A, NR106661.D



GC ECD2B, NR106661.D



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106661.D

Injection Date: 11-Sep-2014 02:27:23

Instrument ID: CPESTGC6

Lims ID: IC PCBL2

Client ID:

Operator ID:

ALS Bottle#:

11

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

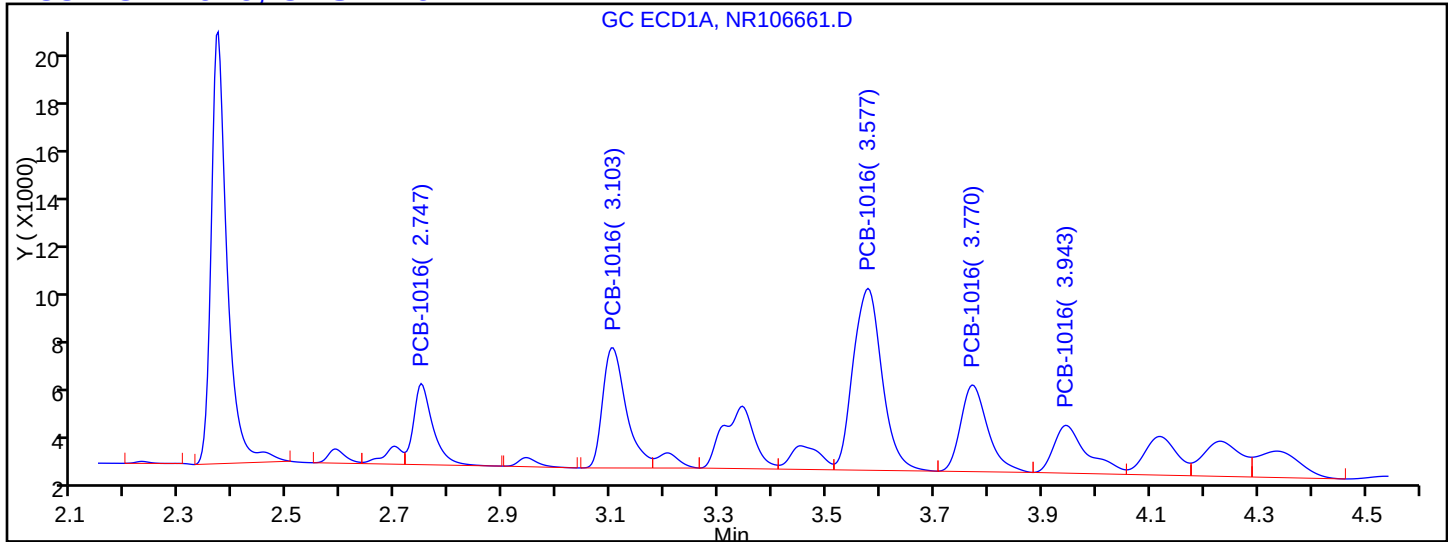
Limit Group:

GC 608 ICAL

Column:

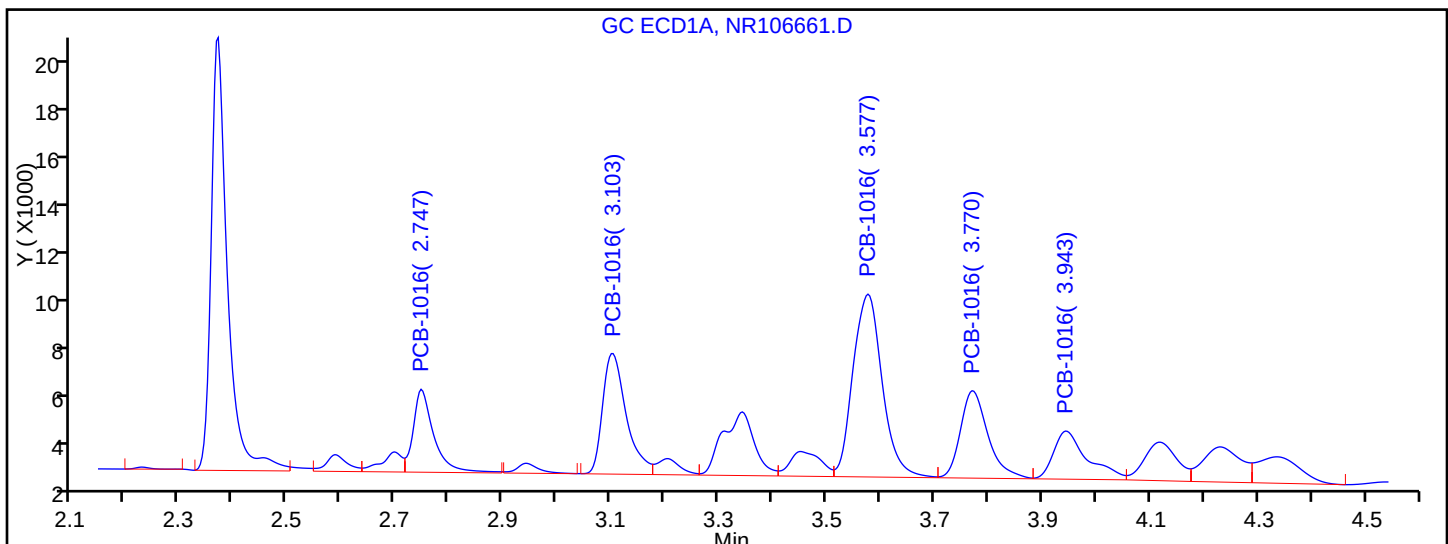
Detector

GC ECD1A

33 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.747	Response = 8132	M
RT = 3.103	Response = 14770	
RT = 3.577	Response = 27469	M
RT = 3.770	Response = 12219	M
RT = 3.943	Response = 8370	M



Manual Integration Results

RT = 2.747	Response = 8818	M
RT = 3.103	Response = 14770	
RT = 3.577	Response = 27916	M
RT = 3.770	Response = 12542	M
RT = 3.943	Response = 8448	M

Reviewer: patelji, 11-Sep-2014 08:46:18

Audit Action: Assigned New Baseline

Audit Reason: Sample matrix interference

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106661.D

Injection Date: 11-Sep-2014 02:27:23

Instrument ID: CPESTGC6

Lims ID: IC PCBL2

Client ID:

Operator ID:

ALS Bottle#:

Worklist Smp#: 11

Injection Vol: 1.0 ul

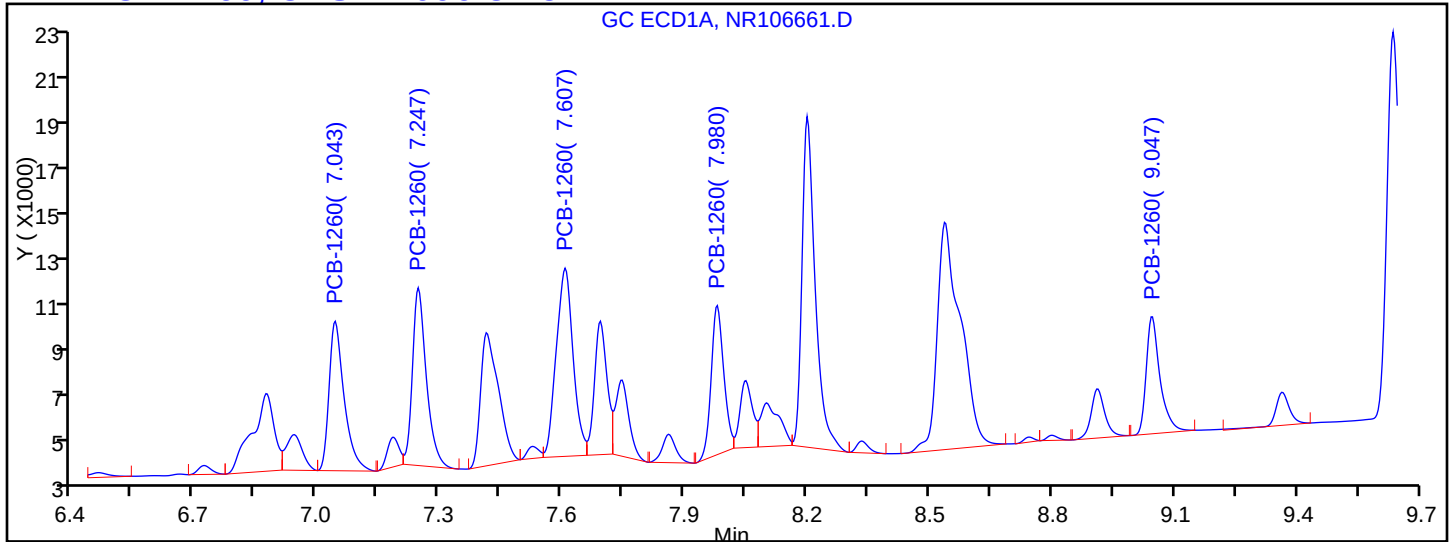
Dil. Factor: 1.0000

Method: 608GC6

Limit Group: GC 608 ICAL

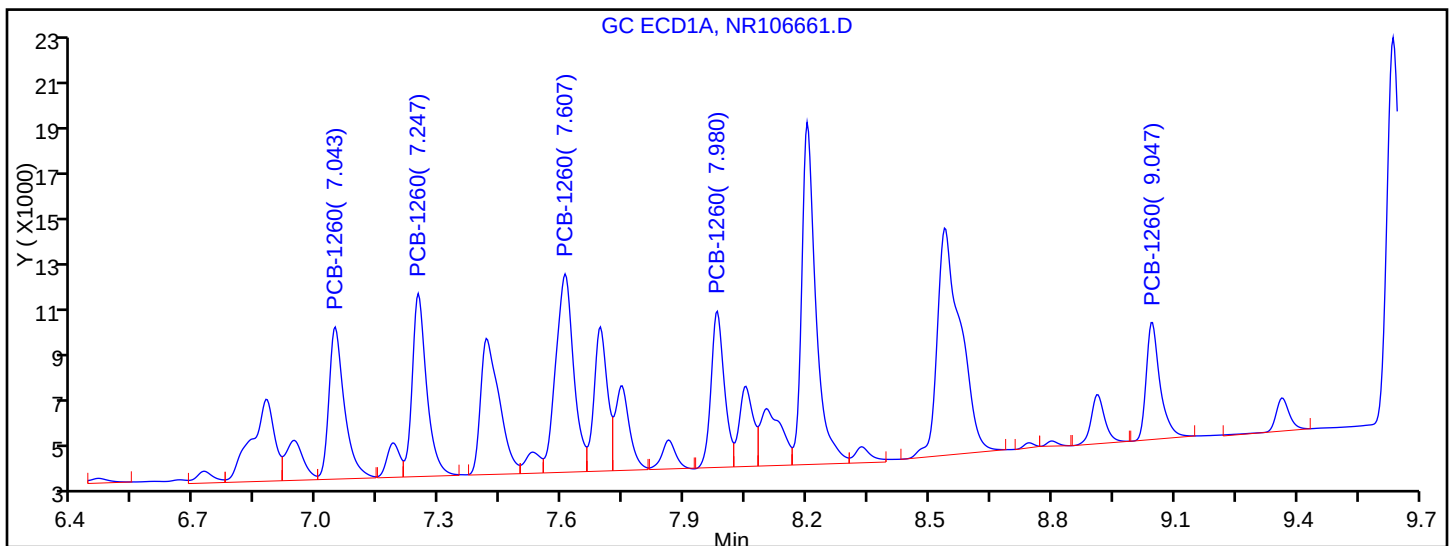
Column:

Detector GC ECD1A

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 7.043	Response = 16839	M
RT = 7.247	Response = 18476	M
RT = 7.607	Response = 23761	M
RT = 7.980	Response = 14039	M
RT = 9.047	Response = 12076	



Manual Integration Results

RT = 7.043	Response = 17673	M
RT = 7.247	Response = 19845	M
RT = 7.607	Response = 26616	M
RT = 7.980	Response = 15543	M
RT = 9.047	Response = 12076	

Reviewer: patelji, 11-Sep-2014 08:44:41

Audit Action: Assigned New Baseline

Audit Reason: Column bleed

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106662.D
 Lims ID: IC PCBL3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Sep-2014 02:41:41 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-012
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub24
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:59 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 06:57:17

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

33 PCB-1016

							M
1	2.747	2.747	0.000	16403	1000.0	1030.3	M
1	3.103	3.103	0.000	28027	1000.0	987.9	M
1	3.580	3.580	0.000	54526	1000.0	1011.8	M
1	3.773	3.773	0.000	25531	1000.0	1045.4	M
1	3.950	3.950	0.000	18789	1000.0	1074.0	M

Average of Peak Amounts = 1029.9

2	2.333	2.333	0.000	76815	1000.0	980.1	M
2	2.580	2.580	0.000	119749	1000.0	1004.9	M
2	2.723	2.723	0.000	89517	1000.0	1004.0	M
2	3.040	3.040	0.000	95366	1000.0	1021.7	M
2	3.090	3.090	0.000	80862	1000.0	1014.6	M

Average of Peak Amounts = 1005.1

RPD = 2.44

41 PCB-1260

							M
1	7.043	7.043	0.000	32713	1000.0	981.2	M
1	7.247	7.247	0.000	36591	1000.0	1000.2	M
1	7.607	7.607	0.000	50747	1000.0	991.0	M
1	7.980	7.980	0.000	29599	1000.0	1015.8	M
1	9.050	9.050	0.000	23334	1000.0	988.4	

Average of Peak Amounts = 995.3

2	6.290	6.290	0.000	151793	1000.0	1006.1	M
2	6.870	6.870	0.000	227697	1000.0	991.8	M
2	6.977	6.977	0.000	122982	1000.0	981.1	M
2	7.217	7.217	0.000	124048	1000.0	1054.8	M
2	7.770	7.770	0.000	202406	1000.0	983.9	M

Average of Peak Amounts = 1003.5

RPD = 0.82

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660608L3_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106662.D

Injection Date: 11-Sep-2014 02:41:41

Instrument ID: CPESTGC6

Operator ID:

Lims ID: IC PCBL3

Worklist Smp#: 12

Client ID:

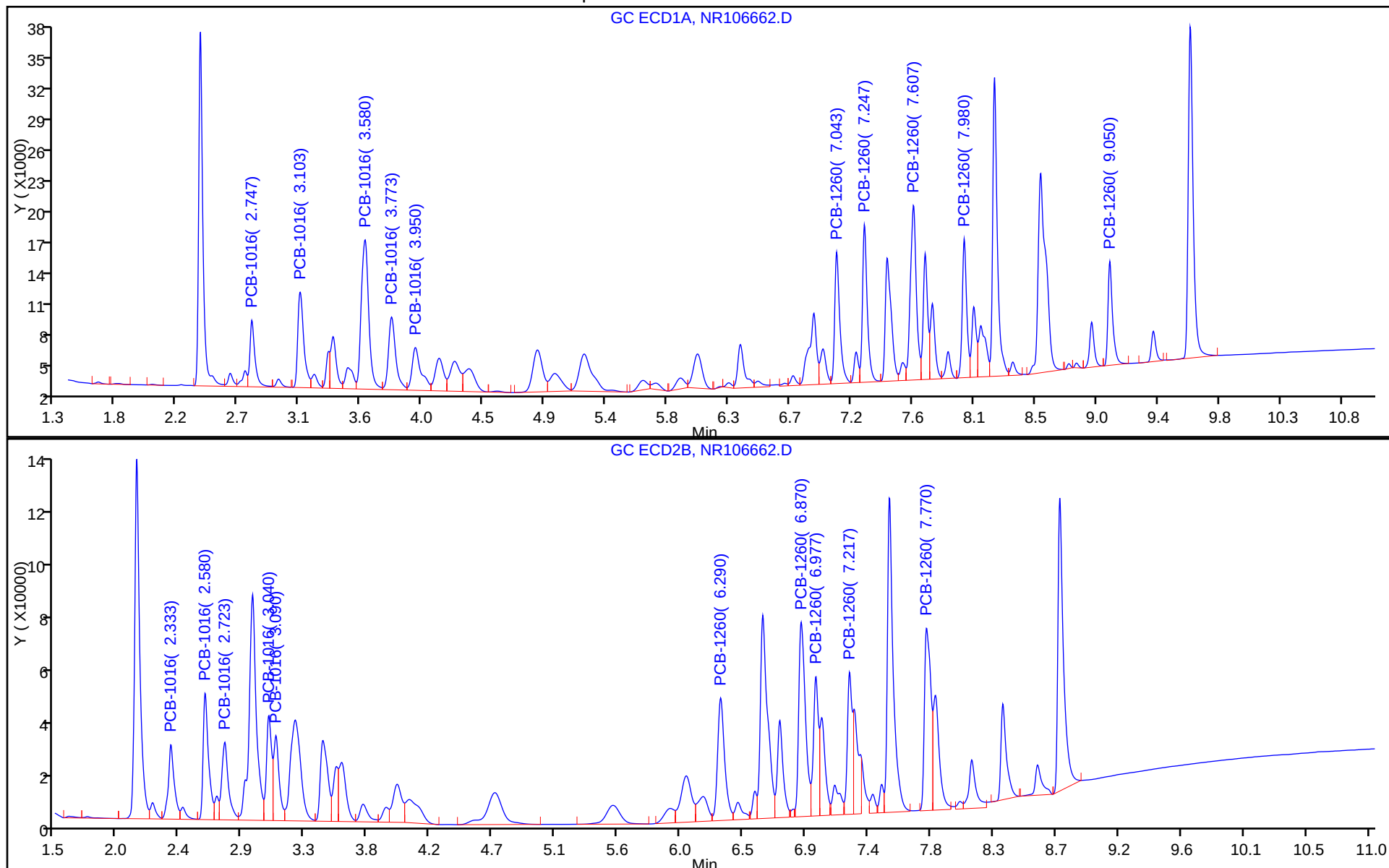
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106662.D

Injection Date: 11-Sep-2014 02:41:41

Instrument ID: CPESTGC6

Lims ID: IC PCBL3

Client ID:

Operator ID:

ALS Bottle#:

12

Worklist Smp#:

12

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

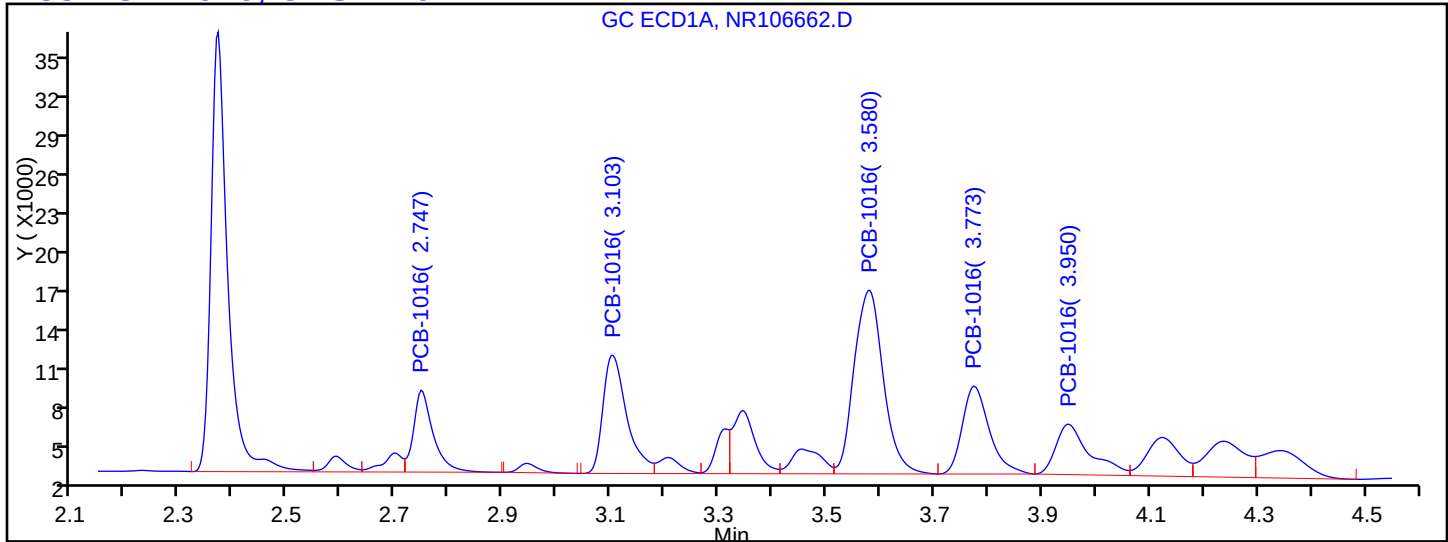
Limit Group:

GC 608 ICAL

Column:

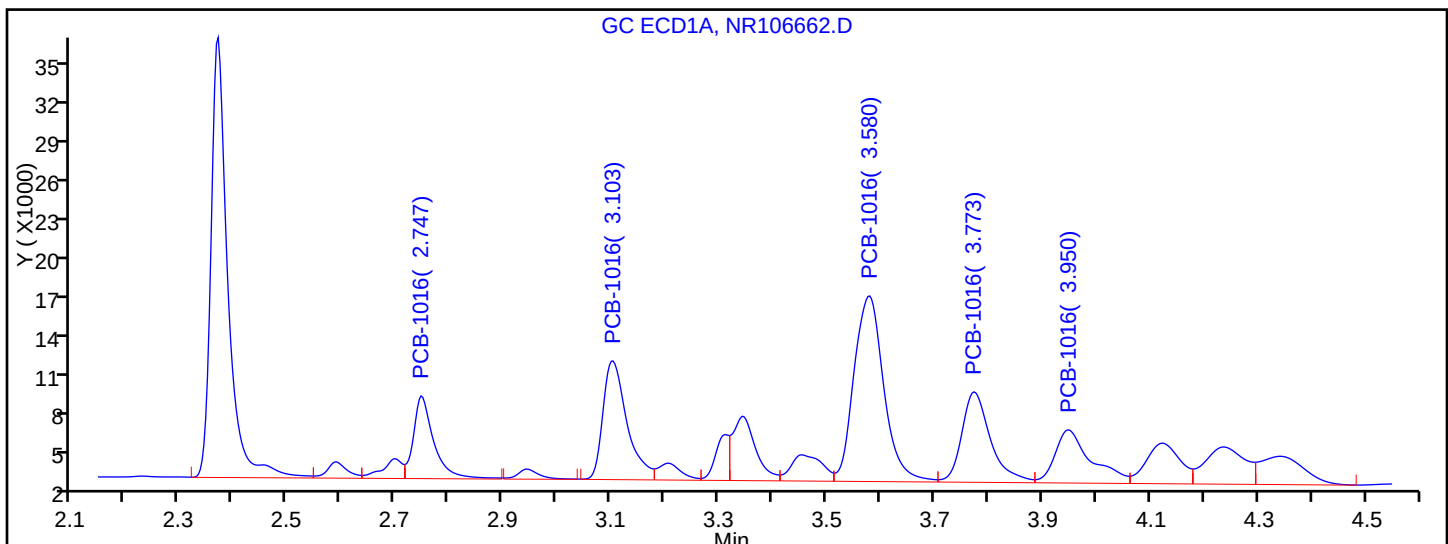
Detector

GC ECD1A

33 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.747	Response = 15636	M
RT = 3.103	Response = 27736	M
RT = 3.580	Response = 52739	M
RT = 3.773	Response = 23328	M
RT = 3.950	Response = 16685	M



Manual Integration Results

RT = 2.747	Response = 16403	M
RT = 3.103	Response = 28027	M
RT = 3.580	Response = 54526	M
RT = 3.773	Response = 25531	M
RT = 3.950	Response = 18789	M

Reviewer: patelji, 11-Sep-2014 08:46:02

Audit Action: Assigned New Baseline

Page 642 of 1090

10/30/2014

Audit Reason: Peak not integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106662.D

Injection Date: 11-Sep-2014 02:41:41

Instrument ID: CPESTGC6

Lims ID: IC PCBL3

Client ID:

Operator ID:

ALS Bottle#:

12

Worklist Smp#:

12

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

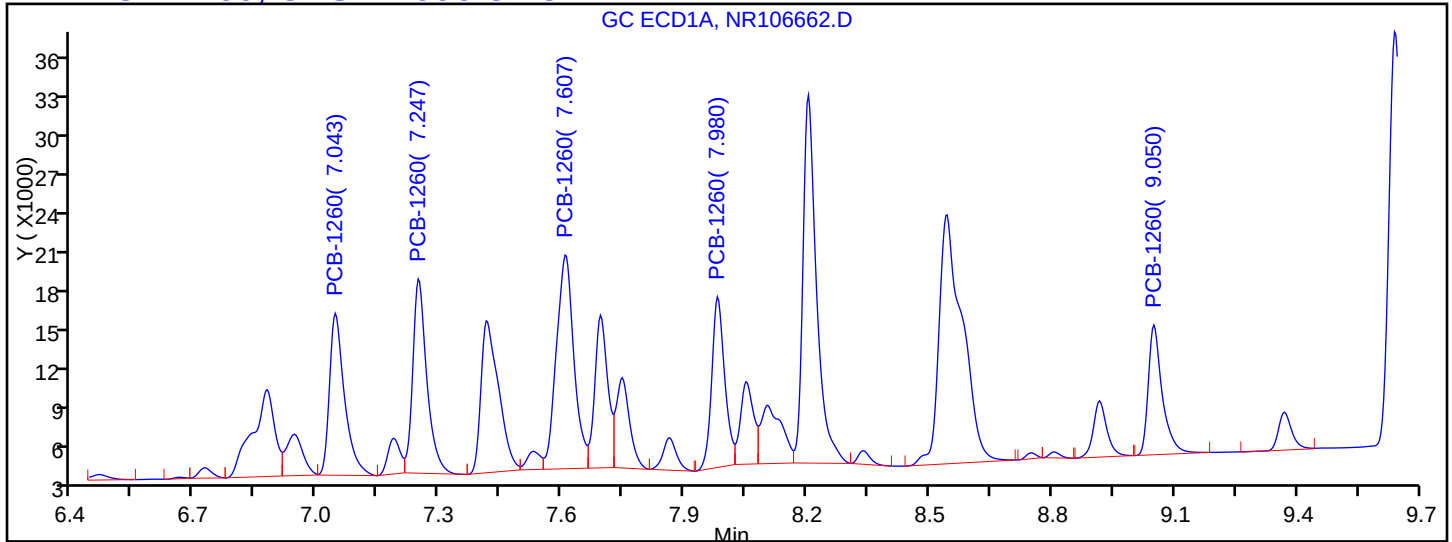
Limit Group:

GC 608 ICAL

Column:

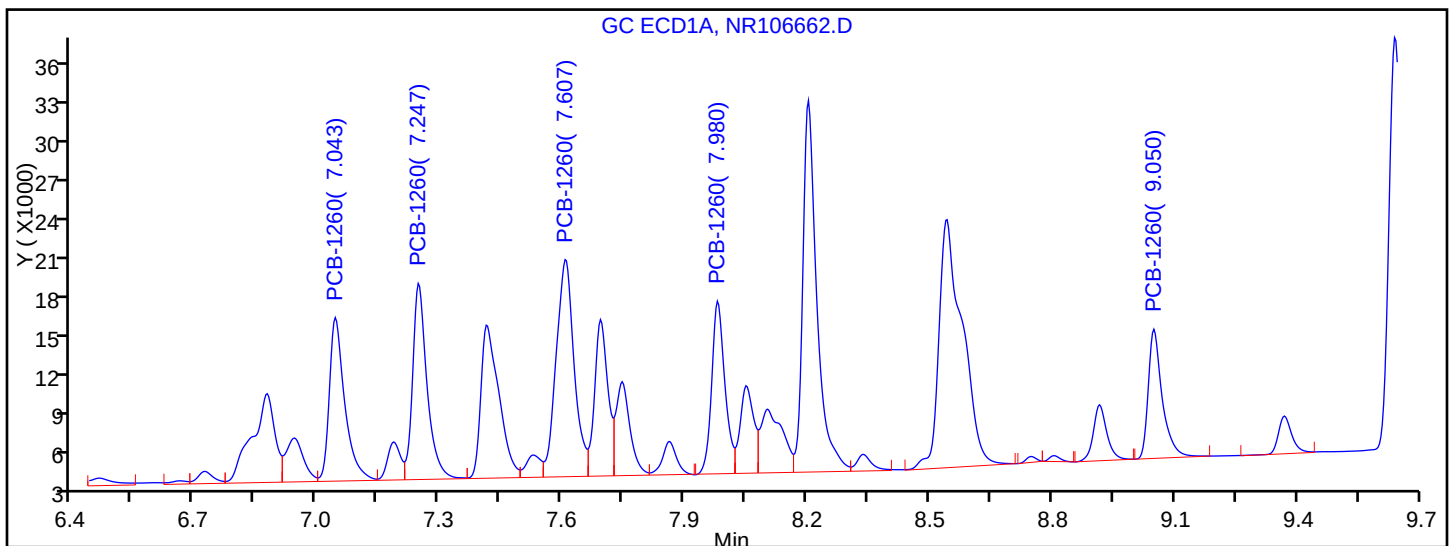
Detector

GC ECD1A

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 7.043	Response = 31380	M
RT = 7.247	Response = 35179	M
RT = 7.607	Response = 48546	M
RT = 7.980	Response = 28526	M
RT = 9.050	Response = 23334	



Manual Integration Results

RT = 7.043	Response = 32713	M
RT = 7.247	Response = 36591	M
RT = 7.607	Response = 50747	M
RT = 7.980	Response = 29599	M
RT = 9.050	Response = 23334	

Reviewer: patelji, 11-Sep-2014 08:44:54

Audit Action: Assigned New Baseline

Audit Reason: Sample matrix interference

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106663.D
 Lims ID: IC PCBL4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Sep-2014 03:12:49 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-013
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub24
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:49:00 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 07:34:18

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

33 PCB-1016

1	2.750	2.747	0.003	22643	1500.0	1422.3	
1	3.107	3.103	0.004	39496	1500.0	1392.2	
1	3.587	3.580	0.007	76796	1500.0	1425.1	
1	3.783	3.773	0.010	34072	1500.0	1395.1	
1	3.960	3.950	0.010	24879	1500.0	1422.1	

Average of Peak Amounts = 1411.3

2	2.333	2.333	0.000	109377	1500.0	1395.6	
2	2.580	2.580	0.000	167455	1500.0	1405.2	
2	2.720	2.723	-0.003	127836	1500.0	1433.8	
2	3.037	3.040	-0.003	130933	1500.0	1402.8	
2	3.090	3.090	0.000	119874	1500.0	1504.0	

Average of Peak Amounts = 1428.3

RPD = 1.19

41 PCB-1260

1	7.047	7.043	0.004	47115	1500.0	1413.2	M
1	7.253	7.247	0.006	53929	1500.0	1474.1	M
1	7.613	7.607	0.006	73774	1500.0	1440.7	M
1	7.987	7.980	0.007	43480	1500.0	1492.2	M
1	9.060	9.050	0.010	34029	1500.0	1441.4	

Average of Peak Amounts = 1452.3

2	6.290	6.290	0.000	218511	1500.0	1448.4	M
2	6.870	6.870	0.000	332776	1500.0	1449.5	M
2	6.973	6.977	-0.004	177031	1500.0	1412.3	M
2	7.217	7.217	0.000	162250	1500.0	1379.6	M
2	7.773	7.770	0.003	293301	1500.0	1425.7	M

Average of Peak Amounts = 1423.1

RPD = 2.03

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660608L4_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106663.D

Injection Date: 11-Sep-2014 03:12:49

Instrument ID: CPESTGC6

Operator ID:

Lims ID: IC PCBL4

Worklist Smp#: 13

Client ID:

Injection Vol: 1.0 ul

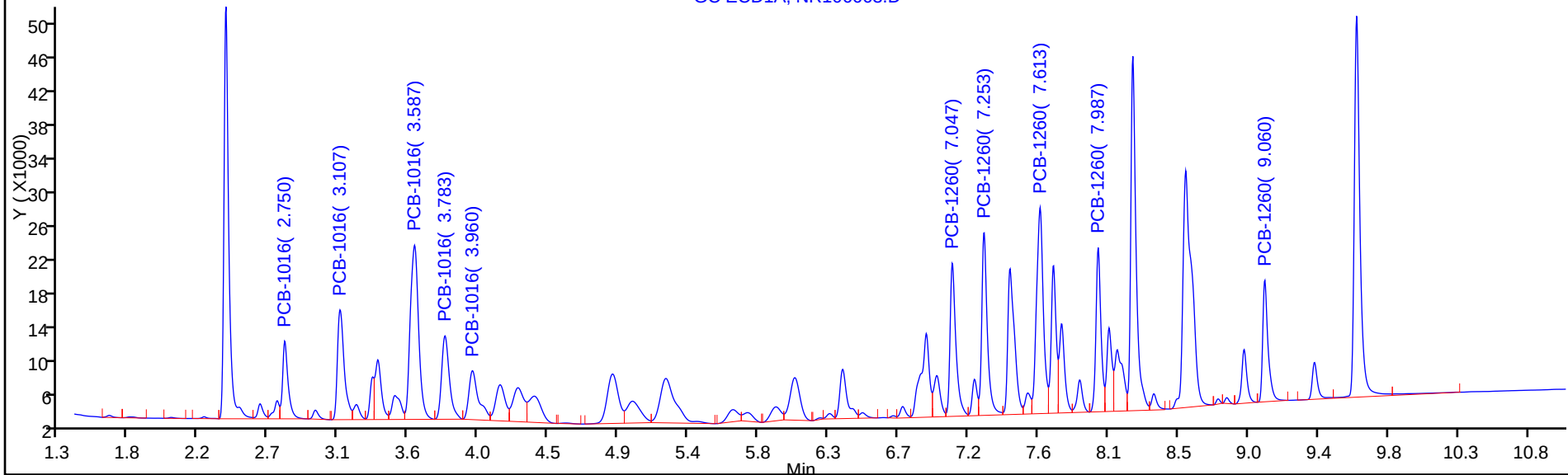
Dil. Factor: 1.0000

ALS Bottle#: 13

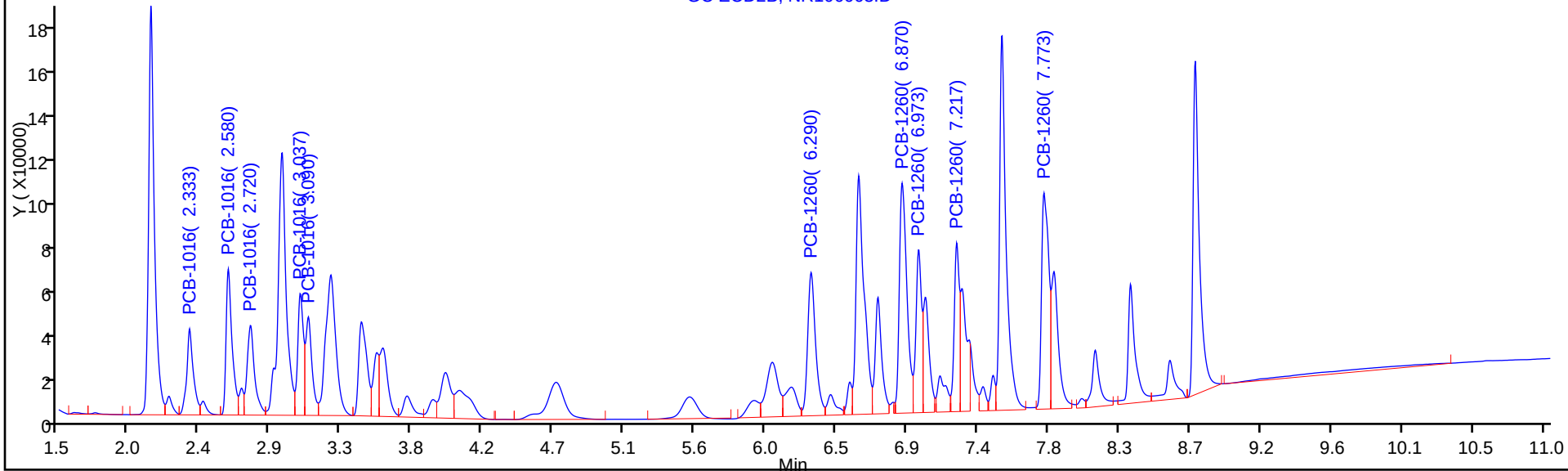
Method: 608GC6

Limit Group: GC 608 ICAL

GC ECD1A, NR106663.D



GC ECD2B, NR106663.D



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106663.D

Injection Date: 11-Sep-2014 03:12:49

Instrument ID: CPESTGC6

Lims ID: IC PCBL4

Client ID:

Operator ID:

ALS Bottle#:

13

Worklist Smp#:

13

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

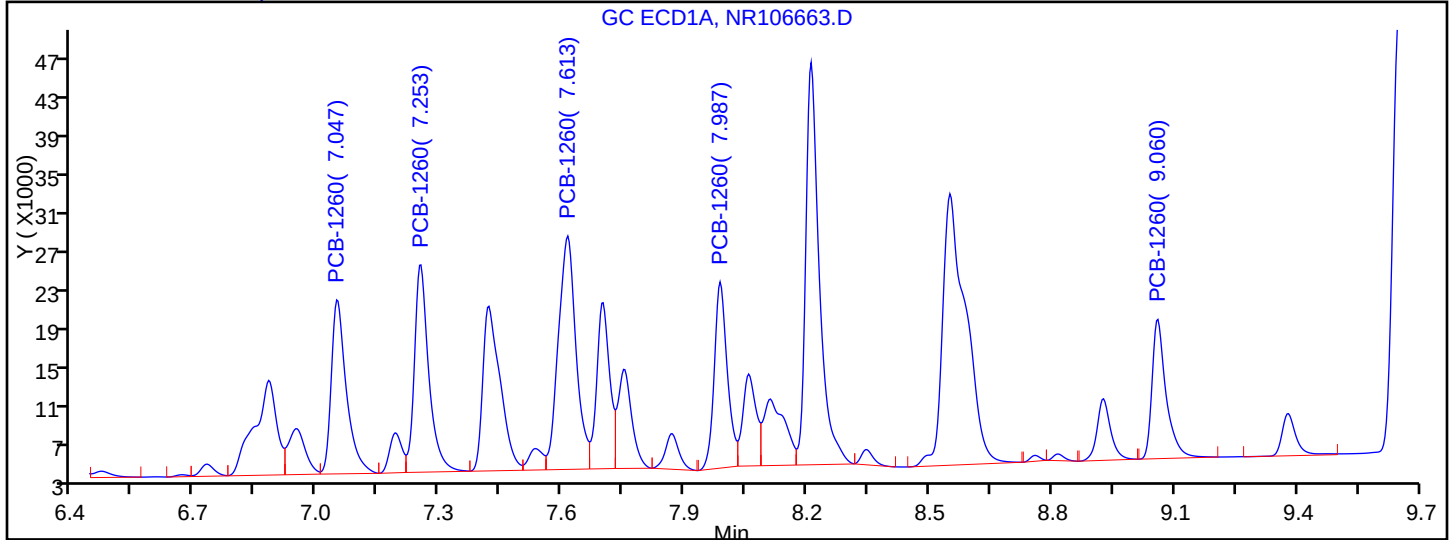
Limit Group:

GC 608 ICAL

Column:

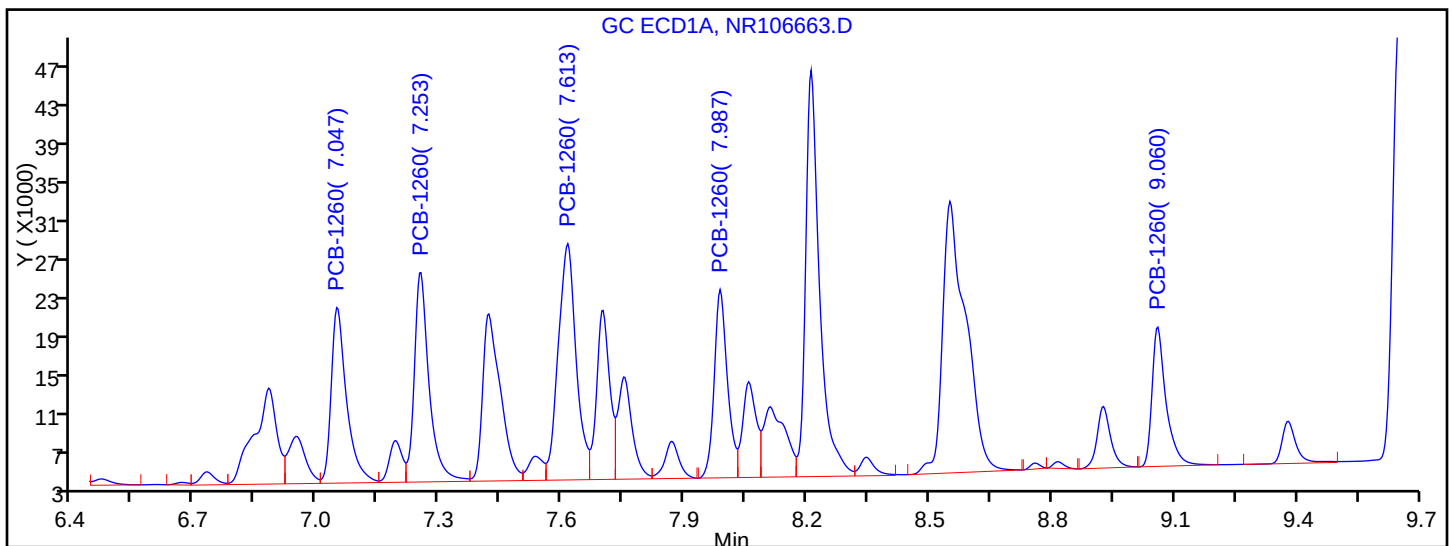
Detector

GC ECD1A

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 7.047	Response = 45778	M
RT = 7.253	Response = 51861	M
RT = 7.613	Response = 71925	M
RT = 7.987	Response = 42410	M
RT = 9.060	Response = 34029	



Manual Integration Results

RT = 7.047	Response = 47115	M
RT = 7.253	Response = 53929	M
RT = 7.613	Response = 73774	M
RT = 7.987	Response = 43480	M
RT = 9.060	Response = 34029	

Reviewer: patelji, 11-Sep-2014 08:45:08

Audit Action: Assigned New Baseline

Audit Reason: Column bleed

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Lims ID: IC PCBL5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Sep-2014 03:27:05 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-014
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub24
 Method: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:49:01 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 07:35:12

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

33 PCB-1016

							M
1	2.747	2.747	0.000	37219	2500.0	2337.8	M
1	3.100	3.103	-0.003	64126	2500.0	2260.4	M
1	3.580	3.580	0.000	129983	2500.0	2412.0	
1	3.773	3.773	0.000	61212	2500.0	2506.3	
1	3.947	3.950	-0.003	47548	2500.0	2718.0	

Average of Peak Amounts = 2446.9

2	2.333	2.333	0.000	179464	2500.0	2289.9	M
2	2.580	2.580	0.000	274913	2500.0	2306.9	M
2	2.723	2.723	0.000	209087	2500.0	2345.1	M
2	3.037	3.040	-0.003	224975	2500.0	2410.3	M
2	3.090	3.090	0.000	191932	2500.0	2408.1	M

Average of Peak Amounts = 2352.1

RPD = 3.95

41 PCB-1260

							M
1	7.043	7.043	0.000	76519	2500.0	2295.2	M
1	7.247	7.247	0.000	85081	2500.0	2325.6	M
1	7.607	7.607	0.000	121648	2500.0	2375.6	M
1	7.980	7.980	0.000	70999	2500.0	2436.6	M
1	9.050	9.050	0.000	59480	2500.0	2519.4	M

Average of Peak Amounts = 2390.5

2	6.290	6.290	0.000	357767	2500.0	2371.4	M
2	6.870	6.870	0.000	539749	2500.0	2351.1	M
2	6.973	6.977	-0.004	285128	2500.0	2274.6	M
2	7.217	7.217	0.000	293793	2500.0	2498.1	M
2	7.770	7.770	0.000	483657	2500.0	2351.1	M

Average of Peak Amounts = 2369.3

RPD = 0.89

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660608L5_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D

Injection Date: 11-Sep-2014 03:27:05

Instrument ID: CPESTGC6

Operator ID:

Lims ID: IC PCBL5

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

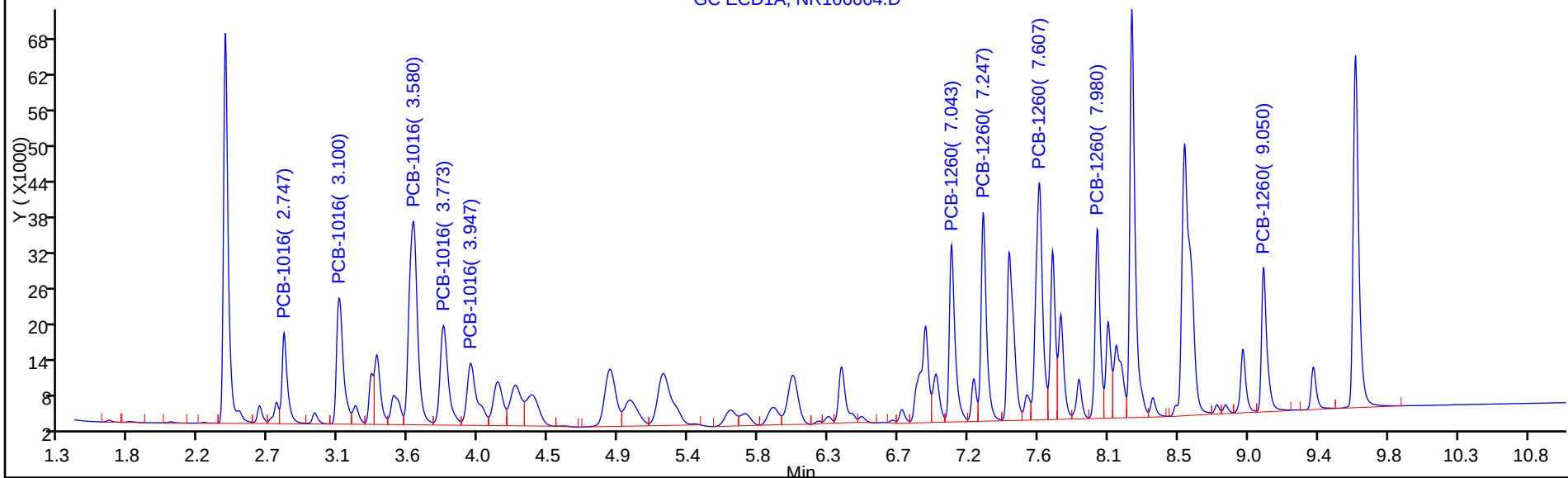
Dil. Factor: 1.0000

ALS Bottle#: 14

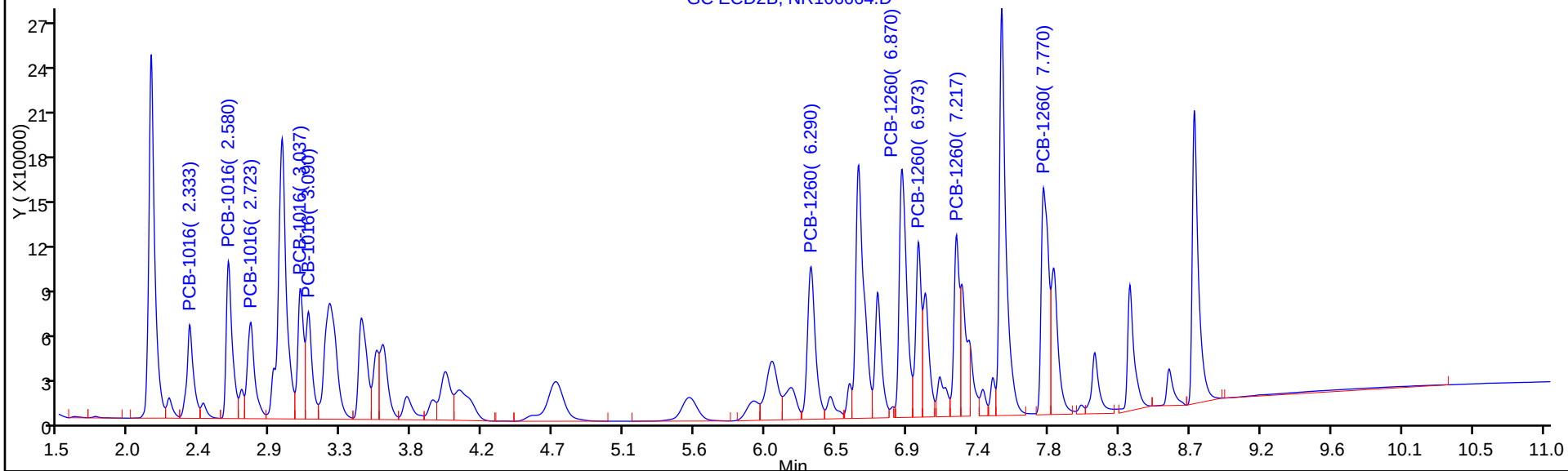
Method: 608GC6

Limit Group: GC 608 ICAL

GC ECD1A, NR106664.D



GC ECD2B, NR106664.D



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D

Injection Date: 11-Sep-2014 03:27:05

Instrument ID: CPESTGC6

Lims ID: IC PCBL5

Client ID:

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

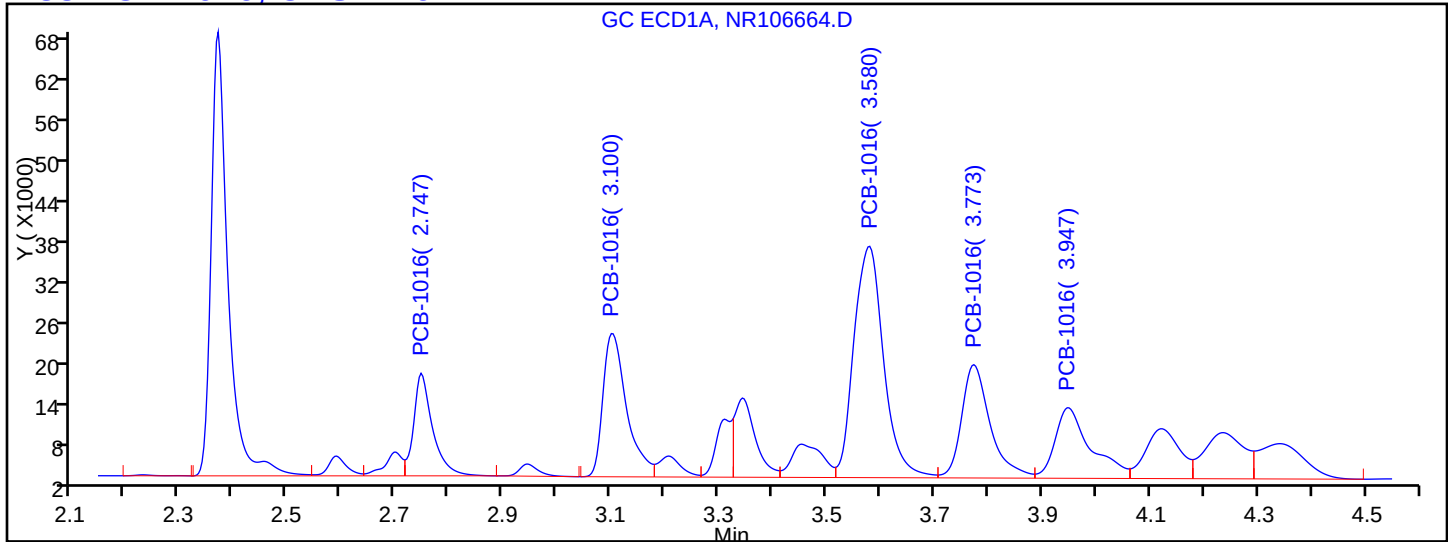
Limit Group:

GC 608 ICAL

Column:

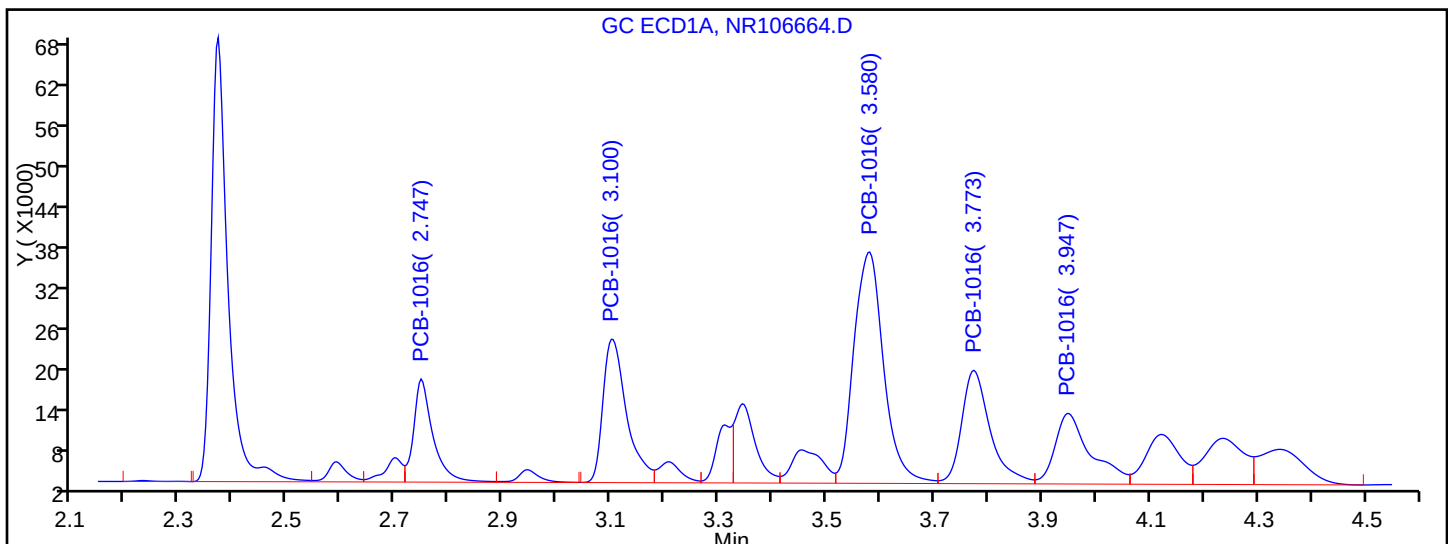
Detector

GC ECD1A

33 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.747	Response = 36276	M
RT = 3.100	Response = 63995	M
RT = 3.580	Response = 129983	
RT = 3.773	Response = 61212	
RT = 3.947	Response = 47548	



Manual Integration Results

RT = 2.747	Response = 37219	M
RT = 3.100	Response = 64126	M
RT = 3.580	Response = 129983	
RT = 3.773	Response = 61212	
RT = 3.947	Response = 47548	

Reviewer: patelji, 11-Sep-2014 08:45:33

Audit Action: Assigned New Baseline

Audit Reason: Sample matrix interference

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D

Injection Date: 11-Sep-2014 03:27:05

Instrument ID: CPESTGC6

Lims ID: IC PCBL5

Client ID:

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

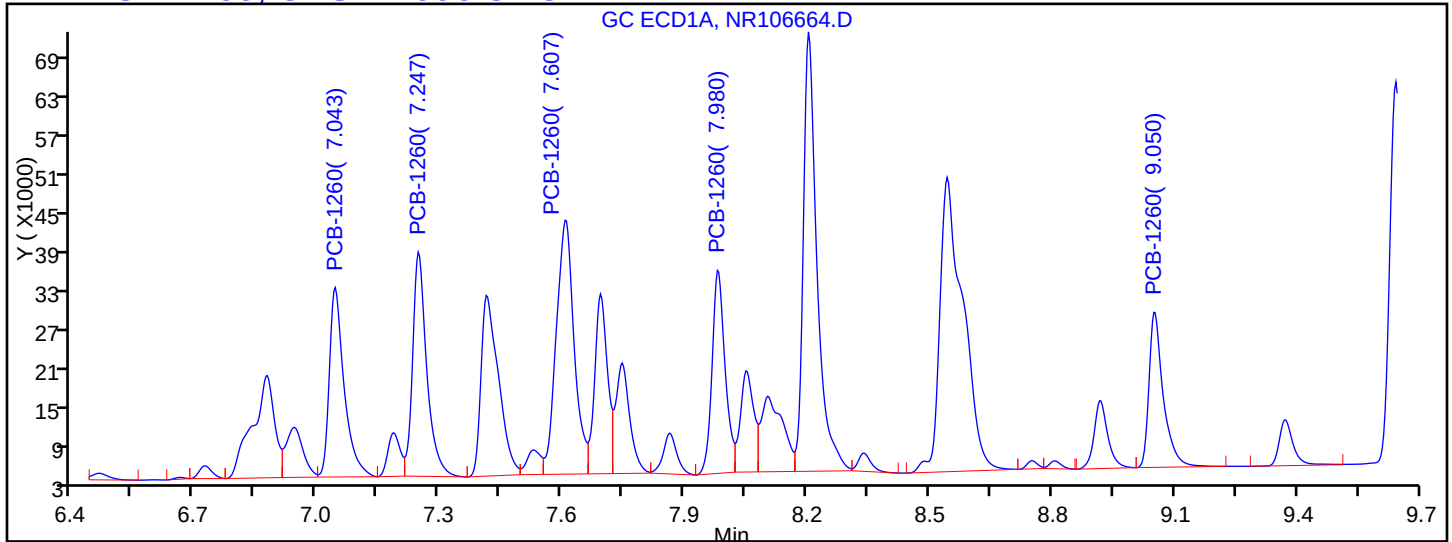
Limit Group:

GC 608 ICAL

Column:

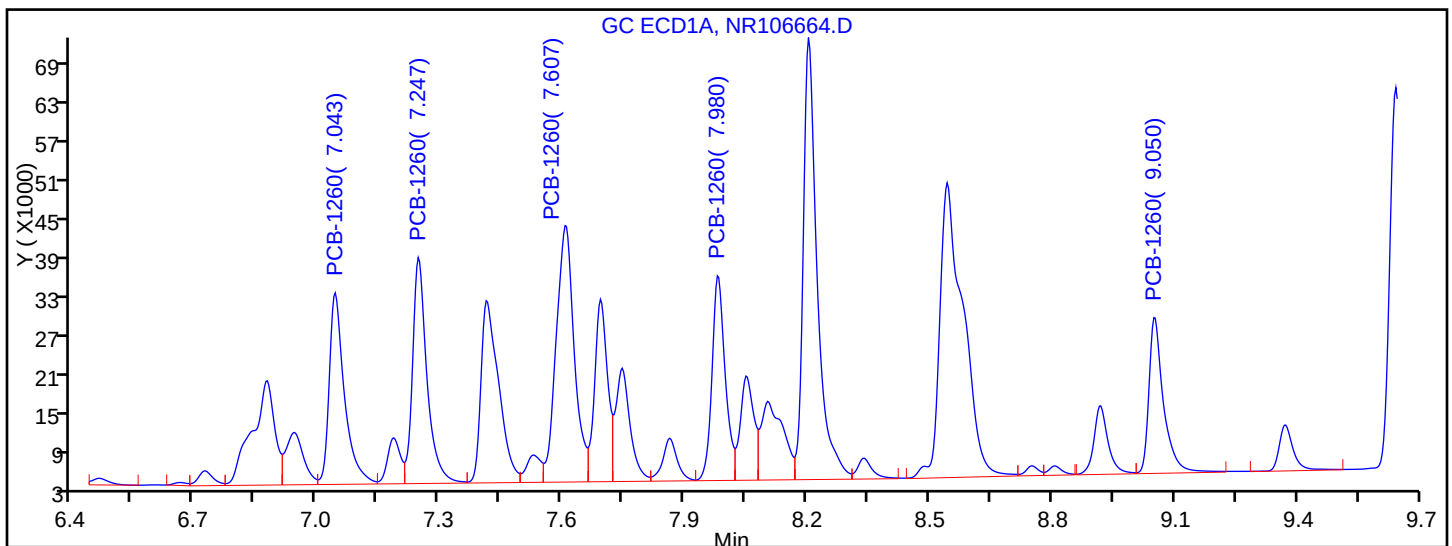
Detector

GC ECD1A

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 7.043	Response = 73422	M
RT = 7.247	Response = 82500	M
RT = 7.607	Response = 118770	M
RT = 7.980	Response = 69306	M
RT = 9.050	Response = 57738	M



Manual Integration Results

RT = 7.043	Response = 76519	M
RT = 7.247	Response = 85081	M
RT = 7.607	Response = 121648	M
RT = 7.980	Response = 70999	M
RT = 9.050	Response = 59480	M

Reviewer: patelji, 11-Sep-2014 08:45:33

Audit Action: Assigned New Baseline

Audit Reason: Sample matrix interference

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 02:13 Calibration End Date: 09/11/2014 03:27 Calibration ID: 42578

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-248196/10	NR106660.D
Level 2	IC 460-248196/11	NR106661.D
Level 3	IC 460-248196/12	NR106662.D
Level 4	IC 460-248196/13	NR106663.D
Level 5	IC 460-248196/14	NR106664.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
PCB-1016 Peak 1	2.337	2.337	2.333	2.333	2.333						2.233 - 2.433	2.335
PCB-1016 Peak 2	2.583	2.583	2.580	2.580	2.580						2.480 - 2.680	2.581
PCB-1016 Peak 3	2.723	2.723	2.723	2.720	2.723						2.623 - 2.823	2.722
PCB-1016 Peak 4	3.040	3.040	3.040	3.037	3.037						2.937 - 3.137	3.039
PCB-1016 Peak 5	3.090	3.090	3.090	3.090	3.090						2.990 - 3.190	3.090
PCB-1260 Peak 1	6.293	6.290	6.290	6.290	6.290						6.180 - 6.380	6.291
PCB-1260 Peak 2	6.870	6.870	6.870	6.870	6.870						6.763 - 6.963	6.870
PCB-1260 Peak 3	6.980	6.973	6.977	6.973	6.973						6.867 - 7.067	6.975
PCB-1260 Peak 4	7.220	7.217	7.217	7.217	7.217						7.110 - 7.310	7.218
PCB-1260 Peak 5	7.773	7.770	7.770	7.773	7.770						7.667 - 7.867	7.771

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

Lab Name: TestAmerica Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 02:13 Calibration End Date: 09/11/2014 03:27 Calibration ID: 42578

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-248196/10	NR106660.D
Level 2	IC 460-248196/11	NR106661.D
Level 3	IC 460-248196/12	NR106662.D
Level 4	IC 460-248196/13	NR106663.D
Level 5	IC 460-248196/14	NR106664.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 3	LVL 4		B	M1	M2								
PCB-1016 Peak 1	87.280 71.786	83.056	76.815	72.918	Ave		78.3709200				8.5		10.0			
PCB-1016 Peak 2	125.34 109.97	129.16	119.75	111.64	Ave		119.170573				7.0		10.0			
PCB-1016 Peak 3	91.040 83.635	96.386	89.517	85.224	Ave		89.1603600				5.7		10.0			
PCB-1016 Peak 4	95.900 89.990	98.144	95.366	87.289	Ave		93.3377333				4.8		10.0			
PCB-1016 Peak 5	76.080 76.773	84.876	80.862	79.916	Ave		79.7013600				4.4		10.0			
PCB-1260 Peak 1	158.22 143.11	155.54	151.79	145.67	Ave		150.866360				4.2		10.0			
PCB-1260 Peak 2	247.88 215.90	234.56	227.70	221.85	Ave		229.577453				5.4		10.0			
PCB-1260 Peak 3	140.08 114.05	131.63	122.98	118.02	Ave		125.353173				8.4		10.0			
PCB-1260 Peak 4	114.30 117.52	123.99	124.05	108.17	Ave		117.605173				5.7		10.0			
PCB-1260 Peak 5	236.18 193.46	201.01	202.41	195.53	Ave		205.719360				8.5		10.0			

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 Edison Job No.: 460-83615-1 Analy Batch No.: 248196

SDG No.: _____

Instrument ID: CPESTGC6 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/11/2014 02:13 Calibration End Date: 09/11/2014 03:27 Calibration ID: 42578

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-248196/10	NR106660.D
Level 2	IC 460-248196/11	NR106661.D
Level 3	IC 460-248196/12	NR106662.D
Level 4	IC 460-248196/13	NR106663.D
Level 5	IC 460-248196/14	NR106664.D

ANALYTE	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
PCB-1016 Peak 1	Ave	4364	41528	76815	109377	179464	50.0	500	1000	1500	2500
PCB-1016 Peak 2	Ave	6267	64581	119749	167455	274913	50.0	500	1000	1500	2500
PCB-1016 Peak 3	Ave	4552	48193	89517	127836	209087	50.0	500	1000	1500	2500
PCB-1016 Peak 4	Ave	4795	49072	95366	130933	224975	50.0	500	1000	1500	2500
PCB-1016 Peak 5	Ave	3804	42438	80862	119874	191932	50.0	500	1000	1500	2500
PCB-1260 Peak 1	Ave	7911	77769	151793	218511	357767	50.0	500	1000	1500	2500
PCB-1260 Peak 2	Ave	12394	117280	227697	332776	539749	50.0	500	1000	1500	2500
PCB-1260 Peak 3	Ave	7004	65816	122982	177031	285128	50.0	500	1000	1500	2500
PCB-1260 Peak 4	Ave	5715	61997	124048	162250	293793	50.0	500	1000	1500	2500
PCB-1260 Peak 5	Ave	11809	100507	202406	293301	483657	50.0	500	1000	1500	2500

Curve Type Legend:

Ave = Average

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106660.D
 Lims ID: IC PCBL1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 11-Sep-2014 02:13:45 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-010
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub24
 Method: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:57 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 07:30:47

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

33 PCB-1016

M

1	2.747	2.747	0.000	779	50.0	48.9	M
1	3.103	3.100	0.003	1615	50.0	56.9	M
1	3.580	3.577	0.003	2795	50.0	51.9	
1	3.770	3.770	0.000	1215	50.0	49.7	M
1	3.943	3.943	0.000	809	50.0	46.2	M

Average of Peak Amounts =

50.7

2	2.337	2.333	0.004	4364	50.0	55.7	M
2	2.583	2.580	0.003	6267	50.0	52.6	M
2	2.723	2.723	0.000	4552	50.0	51.1	M
2	3.040	3.037	0.003	4795	50.0	51.4	M
2	3.090	3.090	0.000	3804	50.0	47.7	M

Average of Peak Amounts =

51.7

RPD = 1.84

41 PCB-1260

M

1	7.043	7.040	0.003	1831	50.0	54.9	
1	7.250	7.247	0.003	1833	50.0	50.1	M
1	7.607	7.607	0.000	2711	50.0	52.9	M
1	7.980	7.980	0.000	1381	50.0	47.4	
1	9.047	9.050	-0.003	1204	50.0	51.0	M

Average of Peak Amounts =

51.3

2	6.293	6.280	0.013	7911	50.0	52.4	
2	6.870	6.863	0.007	12394	50.0	54.0	M
2	6.980	6.967	0.013	7004	50.0	55.9	M
2	7.220	7.210	0.010	5715	50.0	48.6	M
2	7.773	7.767	0.006	11809	50.0	57.4	M

Average of Peak Amounts =

53.7

RPD = 4.55

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660608LVL1_00003

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106660.D

Injection Date: 11-Sep-2014 02:13:45

Instrument ID: CPESTGC6

Operator ID:

Lims ID: IC PCBL1

Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul

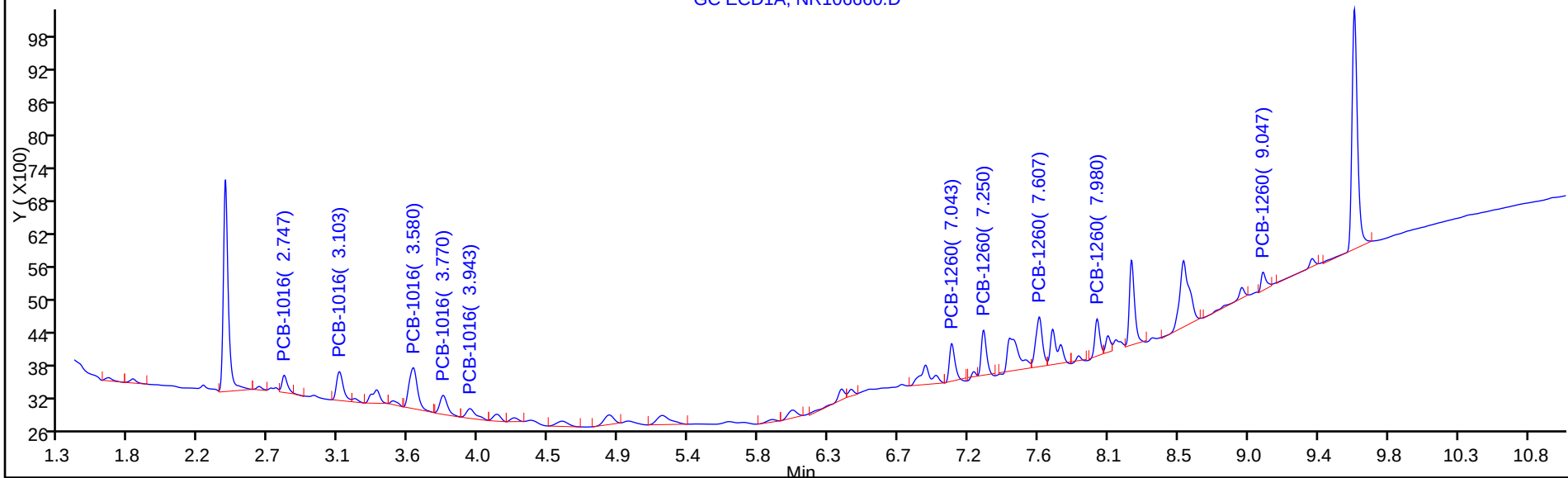
Dil. Factor: 1.0000

ALS Bottle#: 10

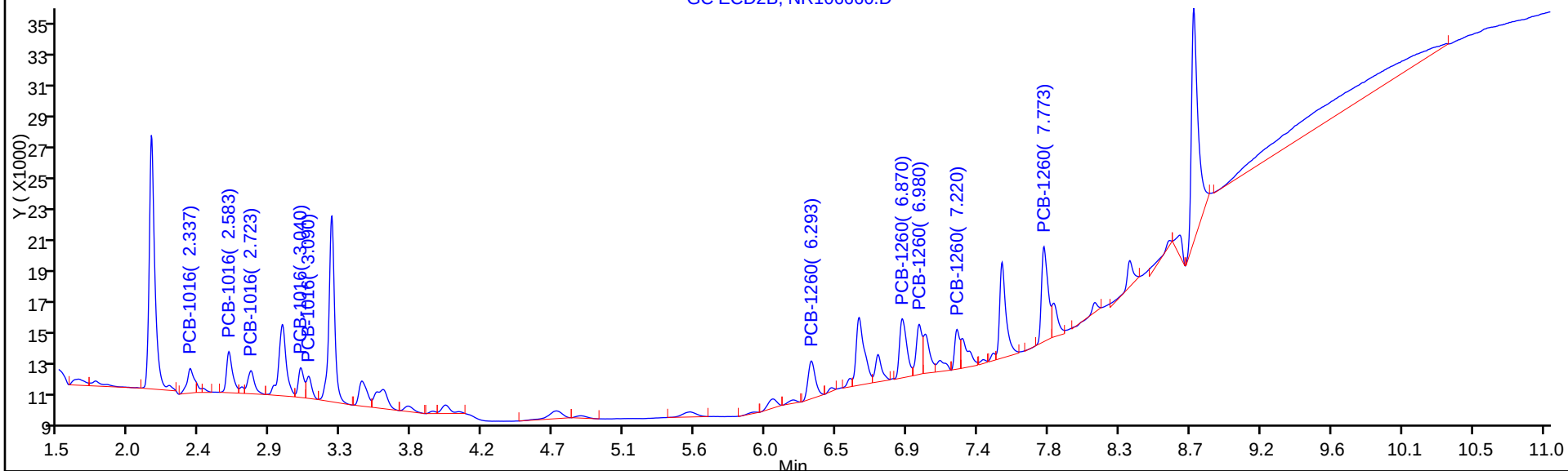
Method: 608GC6

Limit Group: GC 608 ICAL

GC ECD1A, NR106660.D



GC ECD2B, NR106660.D



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106660.D

Injection Date: 11-Sep-2014 02:13:45

Instrument ID: CPESTGC6

Lims ID: IC PCBL1

Client ID:

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

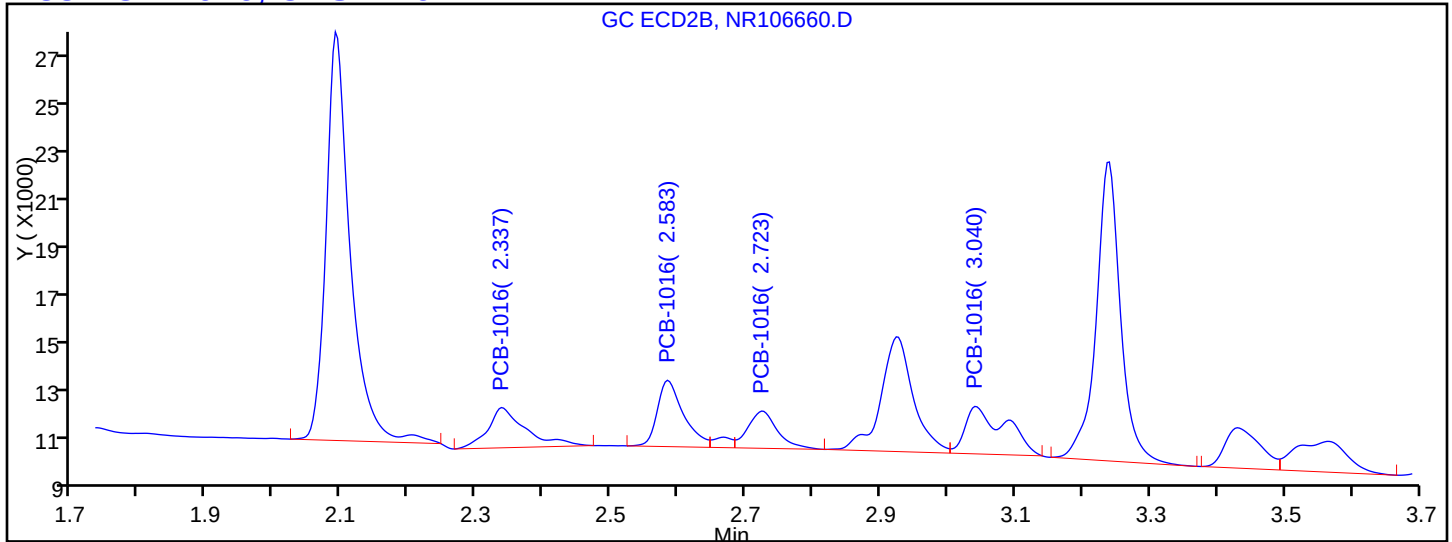
Limit Group:

GC 608 ICAL

Column:

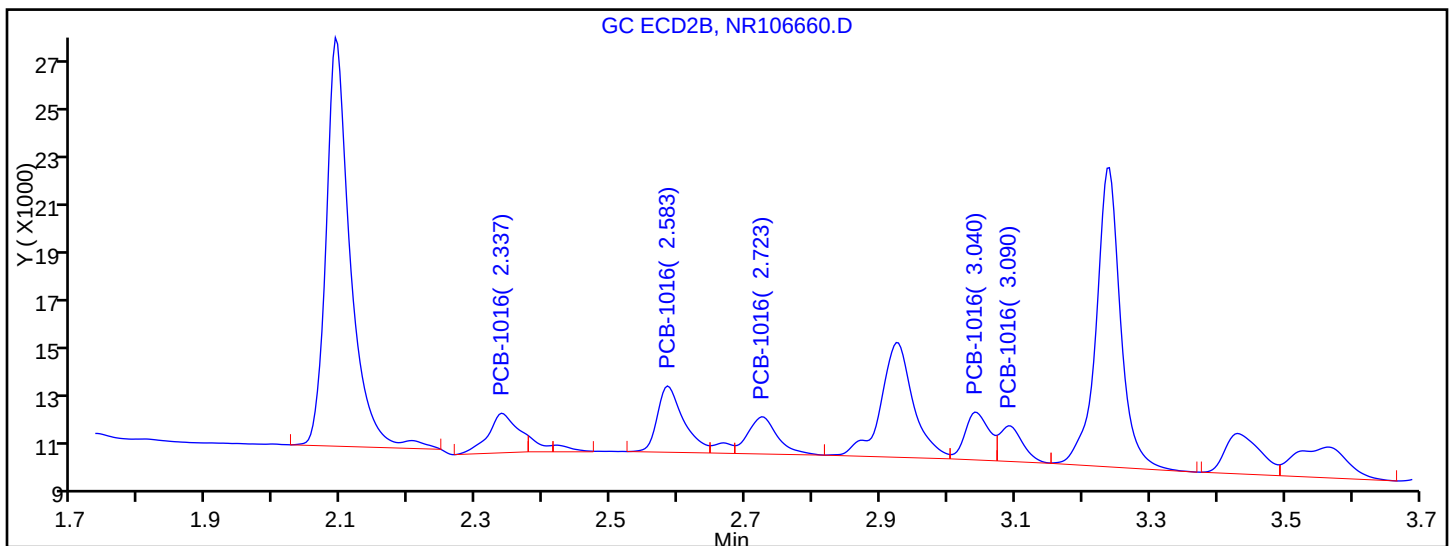
Detector

GC ECD2B

33 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.337	Response = 6294	M
RT = 2.583	Response = 7206	M
RT = 2.723	Response = 4536	M
RT = 3.040	Response = 7926	M
RT = 0.000	Response = 0	M



Manual Integration Results

RT = 2.337	Response = 4364	M
RT = 2.583	Response = 6267	M
RT = 2.723	Response = 4552	M
RT = 3.040	Response = 4795	M
RT = 3.090	Response = 3804	M

Reviewer: kapoors, 11-Sep-2014 07:32:24

Audit Action: Split an Integrated Peak

Audit Reason: Wrong Peak

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106660.D

Injection Date: 11-Sep-2014 02:13:45

Instrument ID: CPESTGC6

Lims ID: IC PCBL1

Client ID:

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

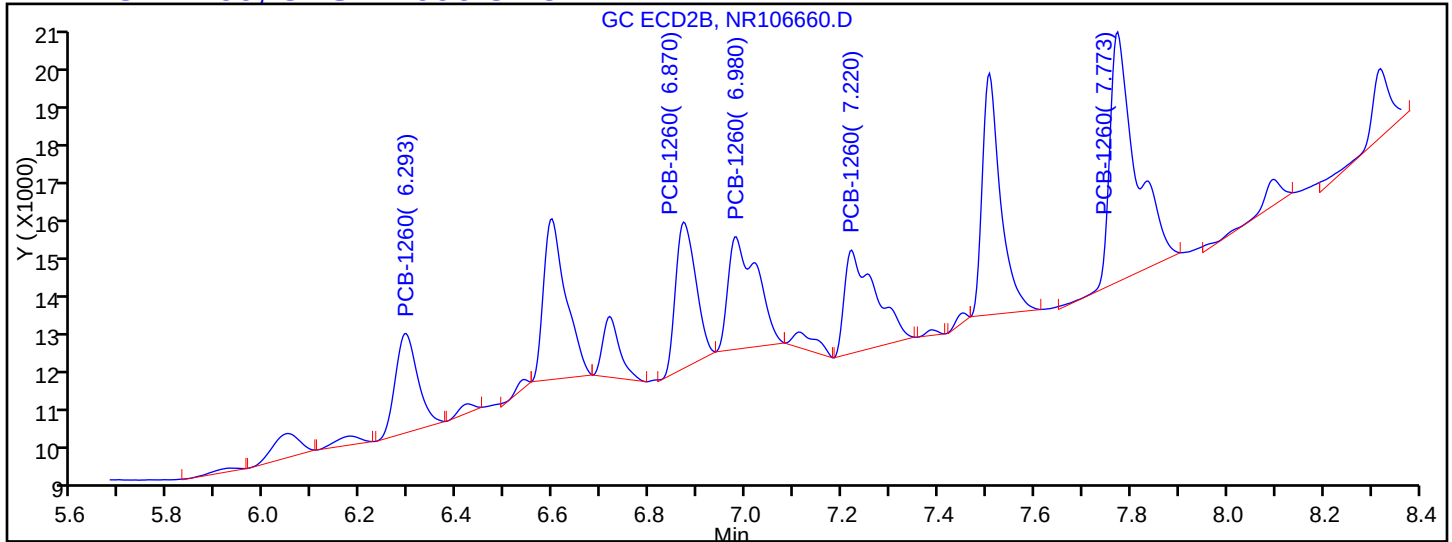
Limit Group:

GC 608 ICAL

Column:

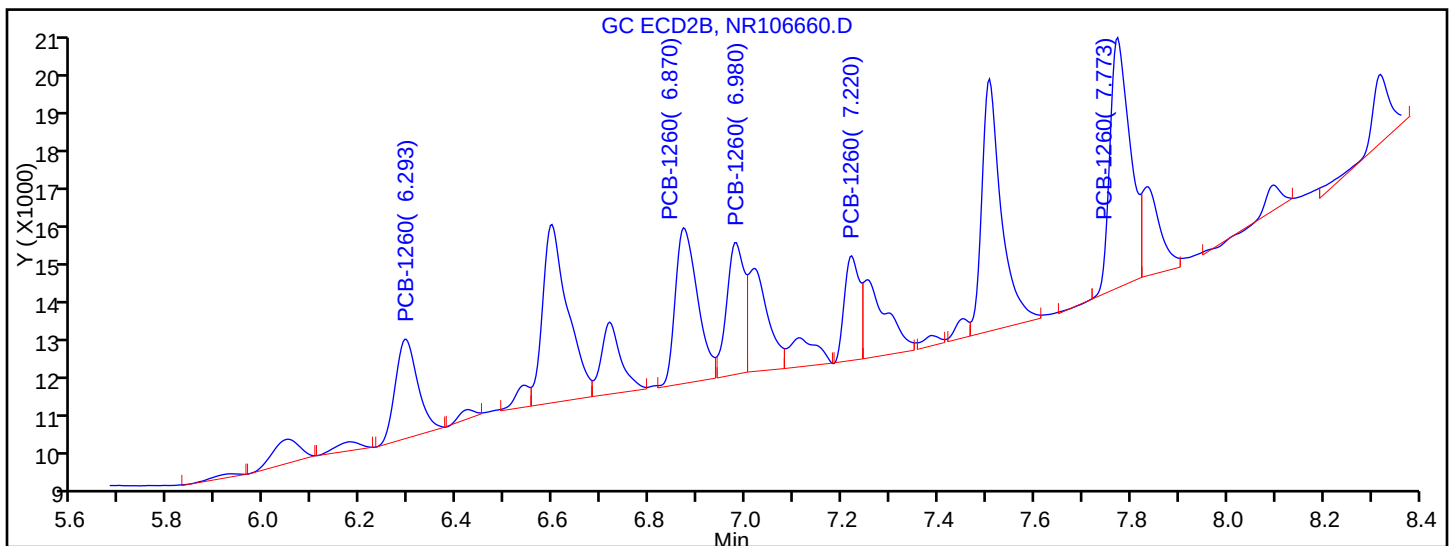
Detector

GC ECD2B

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 6.293	Response = 7911	
RT = 6.870	Response = 10446	M
RT = 6.980	Response = 11472	M
RT = 7.220	Response = 11216	M
RT = 7.773	Response = 23023	M



Manual Integration Results

RT = 6.293	Response = 7911	
RT = 6.870	Response = 12394	M
RT = 6.980	Response = 7004	M
RT = 7.220	Response = 5715	M
RT = 7.773	Response = 11809	M

Reviewer: patelji, 11-Sep-2014 08:55:15

Audit Action: Assigned New Baseline

Audit Reason: Sample matrix interference

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106661.D
 Lims ID: IC PCBL2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 11-Sep-2014 02:27:23 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-011
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub24
 Method: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:58 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 07:33:03

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

33 PCB-1016

							M
1	2.747	2.747	0.000	8818	500.0	553.9	M
1	3.103	3.100	0.003	14770	500.0	520.6	
1	3.577	3.577	0.000	27916	500.0	518.0	M
1	3.770	3.770	0.000	12542	500.0	513.5	M
1	3.943	3.943	0.000	8448	500.0	482.9	M

Average of Peak Amounts = 517.8

2	2.337	2.333	0.004	41528	500.0	529.9	
2	2.583	2.580	0.003	64581	500.0	541.9	
2	2.723	2.723	0.000	48193	500.0	540.5	
2	3.040	3.037	0.003	49072	500.0	525.7	
2	3.090	3.090	0.000	42438	500.0	532.5	

Average of Peak Amounts = 534.1

RPD = 3.10

41 PCB-1260

							M
1	7.043	7.040	0.003	17673	500.0	530.1	M
1	7.247	7.247	0.000	19845	500.0	542.4	M
1	7.607	7.607	0.000	26616	500.0	519.8	M
1	7.980	7.980	0.000	15543	500.0	533.4	M
1	9.047	9.050	-0.003	12076	500.0	511.5	

Average of Peak Amounts = 527.4

2	6.290	6.280	0.010	77769	500.0	515.5	M
2	6.870	6.863	0.007	117280	500.0	510.9	M
2	6.973	6.967	0.006	65816	500.0	525.0	M
2	7.217	7.210	0.007	61997	500.0	527.2	M
2	7.770	7.767	0.003	100507	500.0	488.6	

Average of Peak Amounts = 513.4

RPD = 2.69

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660608L2_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106661.D

Injection Date: 11-Sep-2014 02:27:23

Instrument ID: CPESTGC6

Operator ID:

Lims ID: IC PCBL2

Worklist Smp#: 11

Client ID:

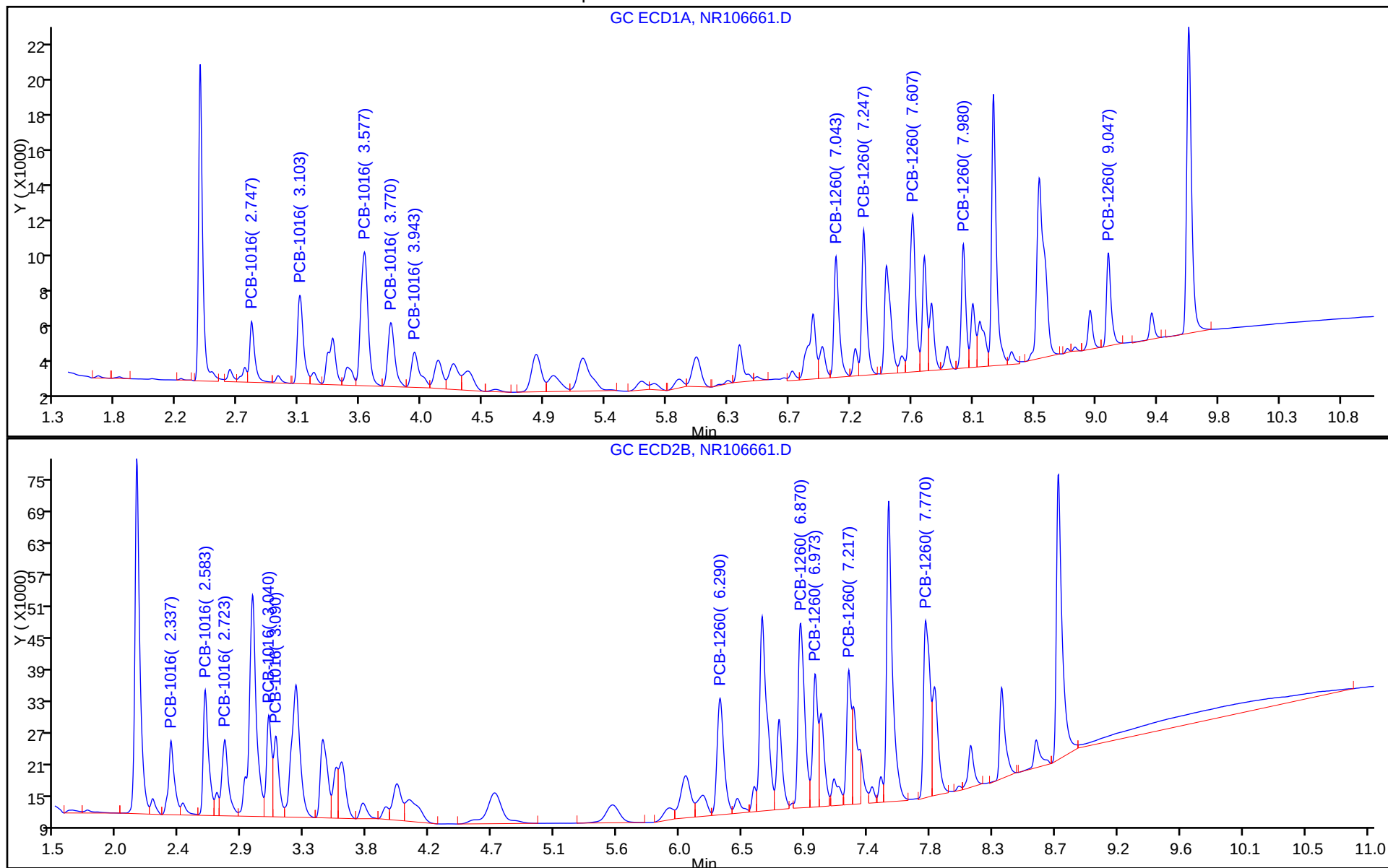
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106661.D

Injection Date: 11-Sep-2014 02:27:23

Instrument ID: CPESTGC6

Lims ID: IC PCBL2

Client ID:

Operator ID:

ALS Bottle#:

11

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

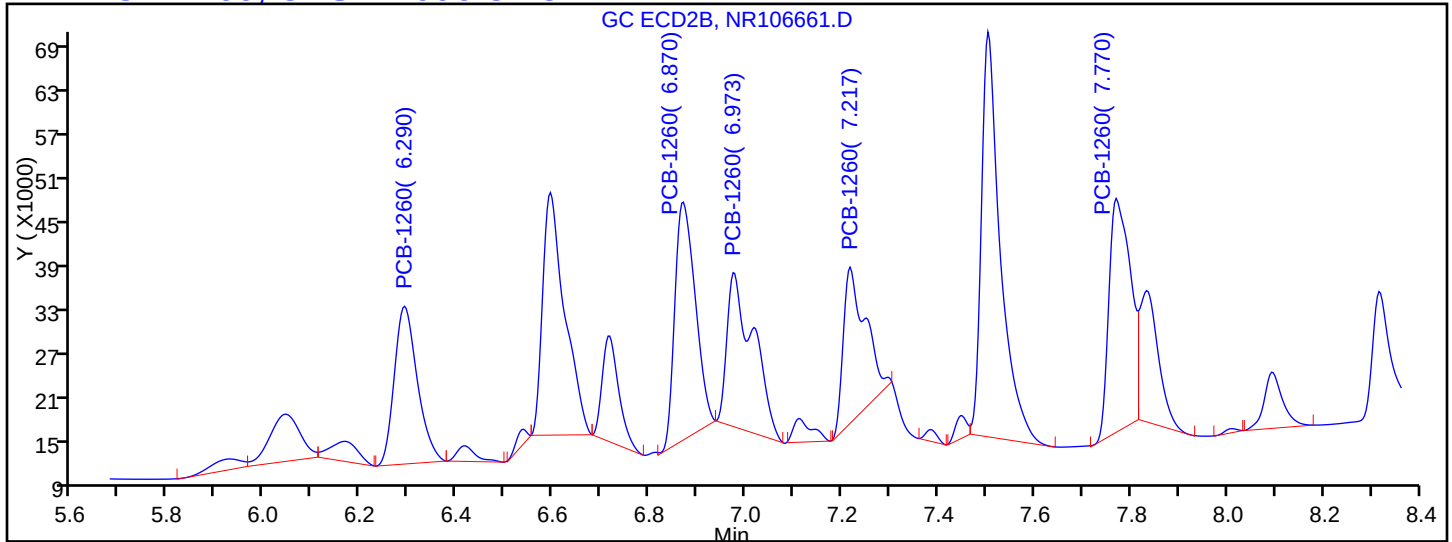
Limit Group:

GC 608 ICAL

Column:

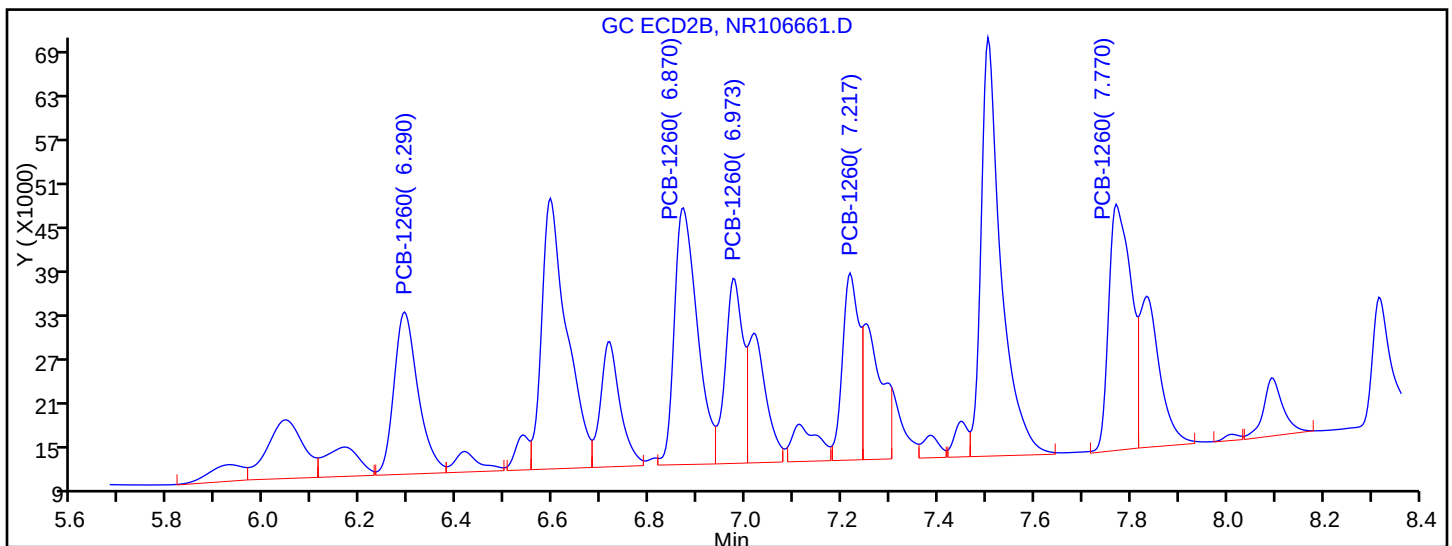
Detector

GC ECD2B

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 6.290	Response = 72071	M
RT = 6.870	Response = 96501	M
RT = 6.973	Response = 81224	M
RT = 7.217	Response = 67444	M
RT = 7.770	Response = 100507	



Manual Integration Results

RT = 6.290	Response = 77769	M
RT = 6.870	Response = 117280	M
RT = 6.973	Response = 65816	M
RT = 7.217	Response = 61997	M
RT = 7.770	Response = 100507	

Reviewer: kapoors, 11-Sep-2014 07:33:03

Audit Action: Assigned New Baseline

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10/30/2014

Audit Reason: Wrong Peak

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106662.D
 Lims ID: IC PCBL3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 11-Sep-2014 02:41:41 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-012
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub24
 Method: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:48:59 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 06:57:17

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

33 PCB-1016

							M
1	2.747	2.747	0.000	16403	1000.0	1030.3	M
1	3.103	3.103	0.000	28027	1000.0	987.9	M
1	3.580	3.580	0.000	54526	1000.0	1011.8	M
1	3.773	3.773	0.000	25531	1000.0	1045.4	M
1	3.950	3.950	0.000	18789	1000.0	1074.0	M

Average of Peak Amounts = 1029.9

2	2.333	2.333	0.000	76815	1000.0	980.1	M
2	2.580	2.580	0.000	119749	1000.0	1004.9	M
2	2.723	2.723	0.000	89517	1000.0	1004.0	M
2	3.040	3.040	0.000	95366	1000.0	1021.7	M
2	3.090	3.090	0.000	80862	1000.0	1014.6	M

Average of Peak Amounts = 1005.1

RPD = 2.44

41 PCB-1260

							M
1	7.043	7.043	0.000	32713	1000.0	981.2	M
1	7.247	7.247	0.000	36591	1000.0	1000.2	M
1	7.607	7.607	0.000	50747	1000.0	991.0	M
1	7.980	7.980	0.000	29599	1000.0	1015.8	M
1	9.050	9.050	0.000	23334	1000.0	988.4	

Average of Peak Amounts = 995.3

2	6.290	6.290	0.000	151793	1000.0	1006.1	M
2	6.870	6.870	0.000	227697	1000.0	991.8	M
2	6.977	6.977	0.000	122982	1000.0	981.1	M
2	7.217	7.217	0.000	124048	1000.0	1054.8	M
2	7.770	7.770	0.000	202406	1000.0	983.9	M

Average of Peak Amounts = 1003.5

RPD = 0.82

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660608L3_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106662.D

Injection Date: 11-Sep-2014 02:41:41

Instrument ID: CPESTGC6

Operator ID:

Lims ID: IC PCBL3

Worklist Smp#: 12

Client ID:

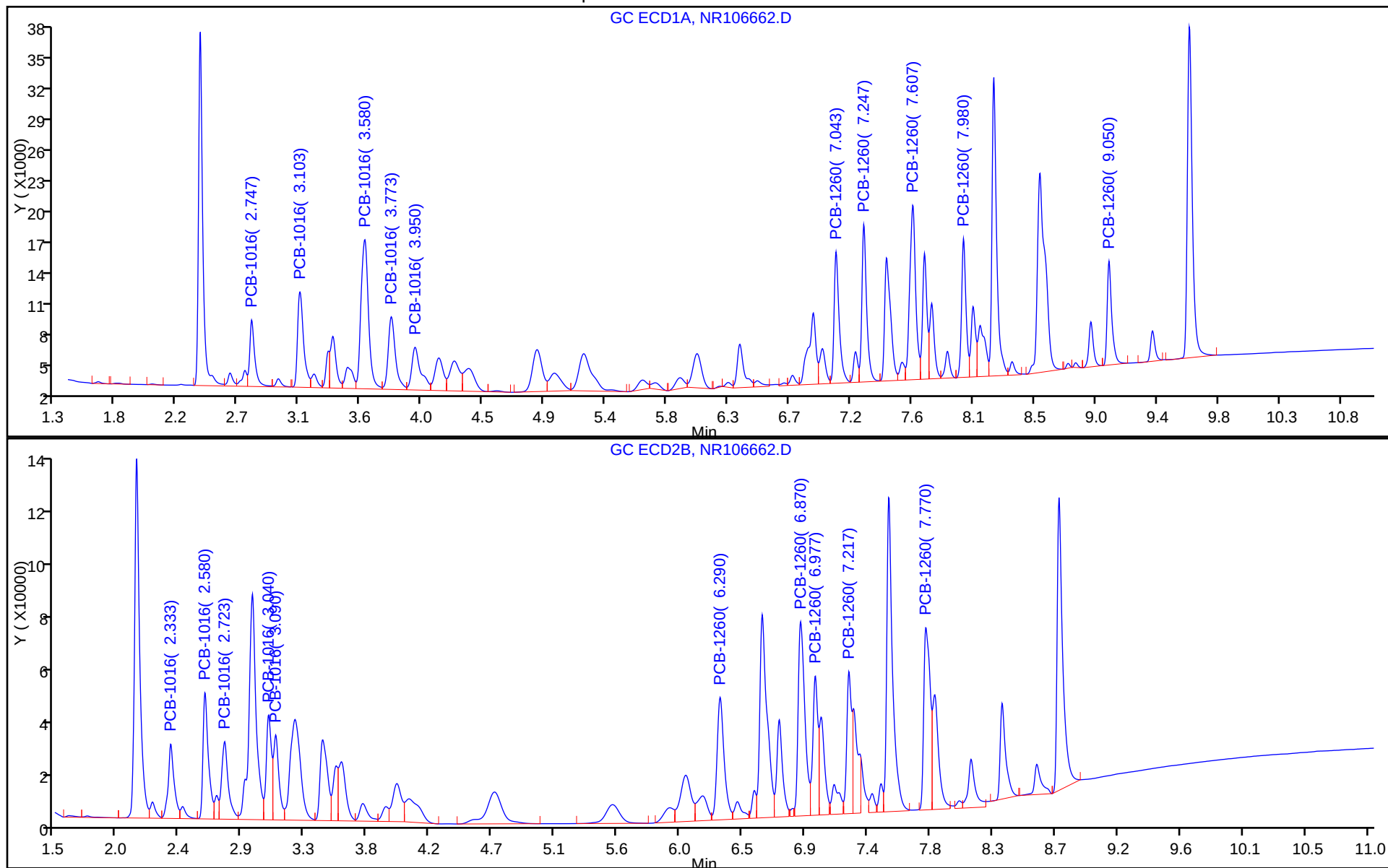
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106662.D

Injection Date: 11-Sep-2014 02:41:41

Instrument ID: CPESTGC6

Lims ID: IC PCBL3

Client ID:

Operator ID:

ALS Bottle#:

Worklist Smp#: 12

Injection Vol: 1.0 ul

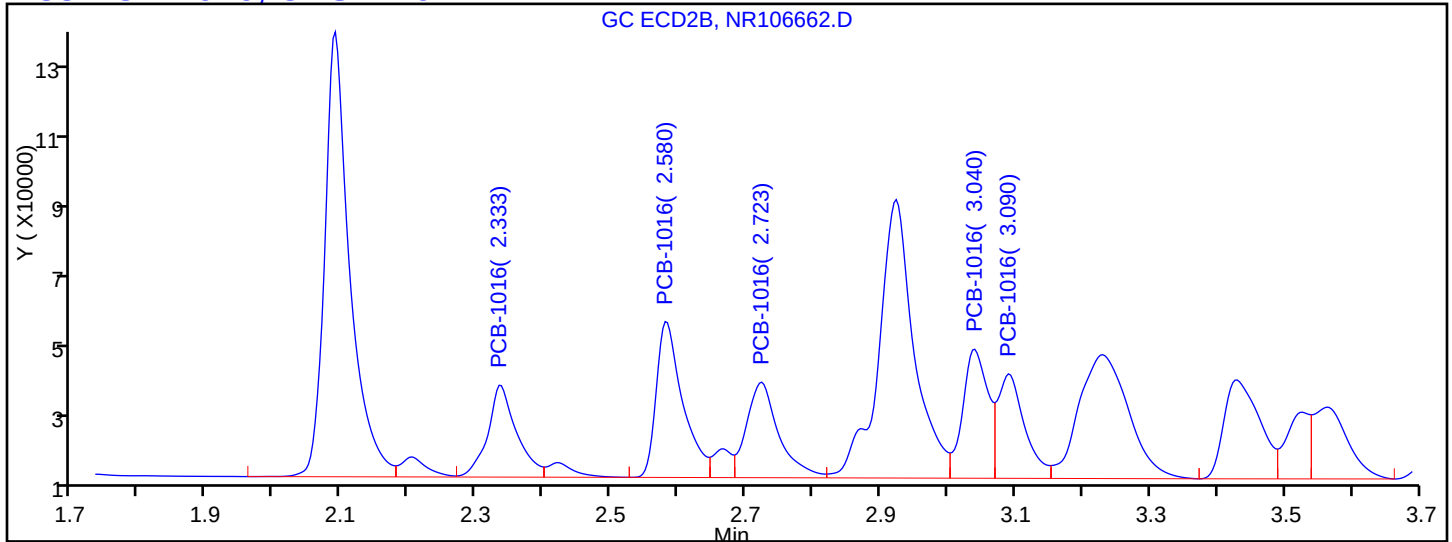
Dil. Factor: 1.0000

Method: 608GC6

Limit Group: GC 608 ICAL

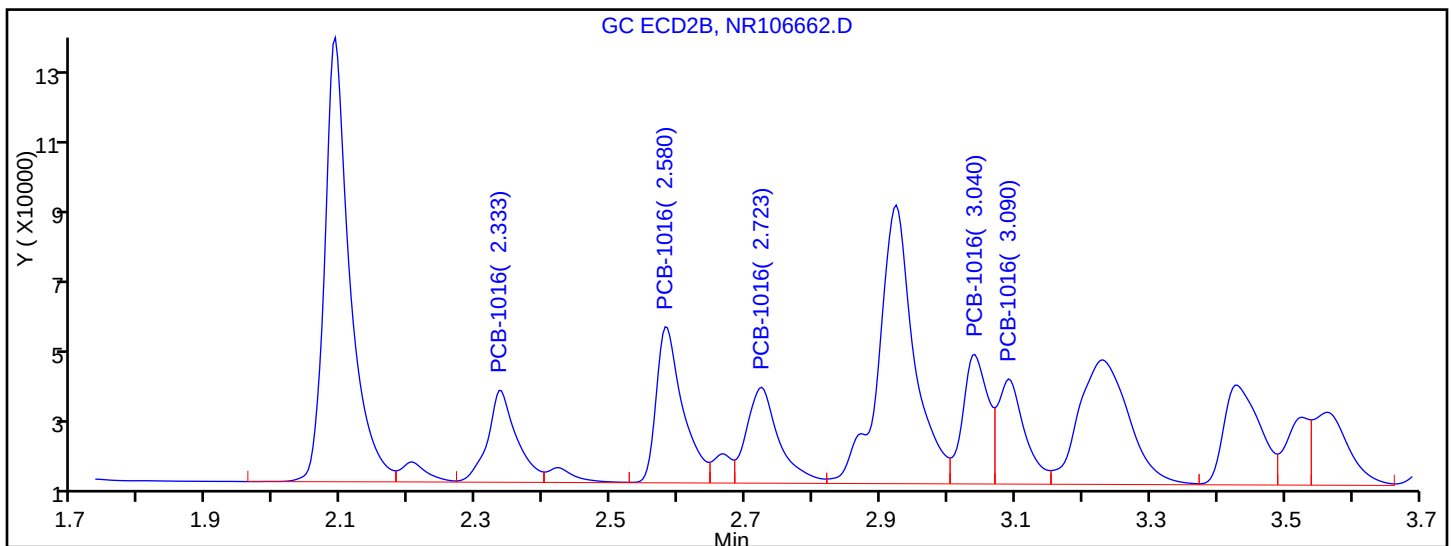
Column:

Detector GC ECD2B

33 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.333	Response = 76413	M
RT = 2.580	Response = 118874	M
RT = 2.723	Response = 88254	M
RT = 3.040	Response = 94524	M
RT = 3.090	Response = 79732	M



Manual Integration Results

RT = 2.333	Response = 76815	M
RT = 2.580	Response = 119749	M
RT = 2.723	Response = 89517	M
RT = 3.040	Response = 95366	M
RT = 3.090	Response = 80862	M

Reviewer: patelji, 11-Sep-2014 08:46:02

Audit Action: Assigned New Baseline

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10/30/2014

Audit Reason: Peak not integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106662.D

Injection Date: 11-Sep-2014 02:41:41

Instrument ID: CPESTGC6

Lims ID: IC PCBL3

Client ID:

Operator ID:

ALS Bottle#:

12

Worklist Smp#:

12

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

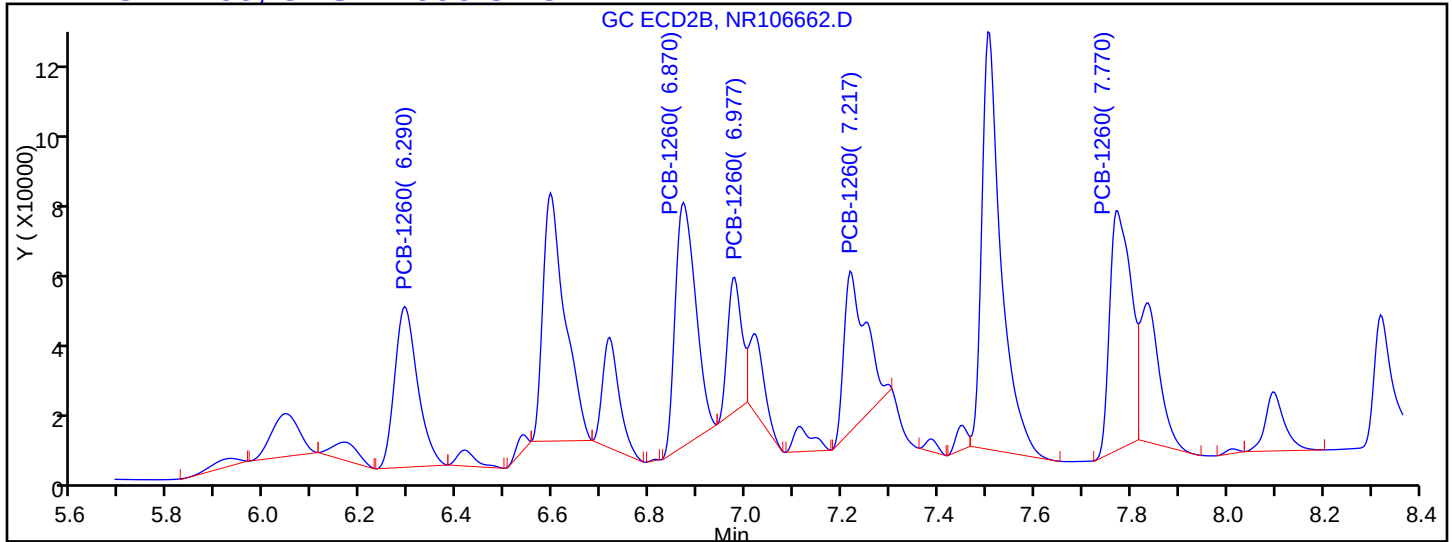
Limit Group:

GC 608 ICAL

Column:

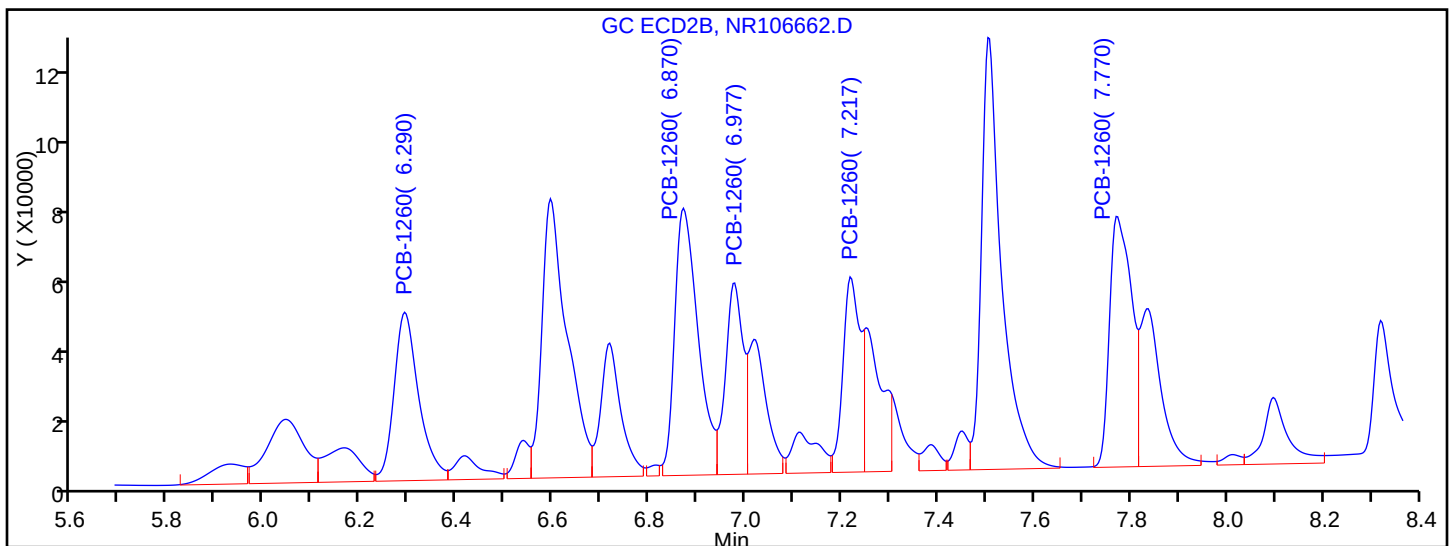
Detector

GC ECD2B

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 6.290	Response = 133811	M
RT = 6.870	Response = 180900	M
RT = 6.977	Response = 69938	M
RT = 7.217	Response = 125136	M
RT = 7.770	Response = 187392	M



Manual Integration Results

RT = 6.290	Response = 151793	M
RT = 6.870	Response = 227697	M
RT = 6.977	Response = 122982	M
RT = 7.217	Response = 124048	M
RT = 7.770	Response = 202406	M

Reviewer: patelji, 11-Sep-2014 08:46:02

Audit Action: Assigned New Baseline

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10/30/2014

Audit Reason: Peak not integrated

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106663.D
 Lims ID: IC PCBL4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 11-Sep-2014 03:12:49 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-013
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub24
 Method: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:49:00 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 07:34:18

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

33 PCB-1016

1	2.750	2.747	0.003	22643	1500.0	1422.3
1	3.107	3.103	0.004	39496	1500.0	1392.2
1	3.587	3.580	0.007	76796	1500.0	1425.1
1	3.783	3.773	0.010	34072	1500.0	1395.1
1	3.960	3.950	0.010	24879	1500.0	1422.1

Average of Peak Amounts = 1411.3

2	2.333	2.333	0.000	109377	1500.0	1395.6
2	2.580	2.580	0.000	167455	1500.0	1405.2
2	2.720	2.723	-0.003	127836	1500.0	1433.8
2	3.037	3.040	-0.003	130933	1500.0	1402.8
2	3.090	3.090	0.000	119874	1500.0	1504.0

Average of Peak Amounts = 1428.3

RPD = 1.19

41 PCB-1260

1	7.047	7.043	0.004	47115	1500.0	1413.2	M
1	7.253	7.247	0.006	53929	1500.0	1474.1	M
1	7.613	7.607	0.006	73774	1500.0	1440.7	M
1	7.987	7.980	0.007	43480	1500.0	1492.2	M
1	9.060	9.050	0.010	34029	1500.0	1441.4	

Average of Peak Amounts = 1452.3

2	6.290	6.290	0.000	218511	1500.0	1448.4	M
2	6.870	6.870	0.000	332776	1500.0	1449.5	M
2	6.973	6.977	-0.004	177031	1500.0	1412.3	M
2	7.217	7.217	0.000	162250	1500.0	1379.6	M
2	7.773	7.770	0.003	293301	1500.0	1425.7	M

Average of Peak Amounts = 1423.1

RPD = 2.03

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660608L4_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106663.D

Injection Date: 11-Sep-2014 03:12:49

Instrument ID: CPESTGC6

Operator ID:

Lims ID: IC PCBL4

Worklist Smp#: 13

Client ID:

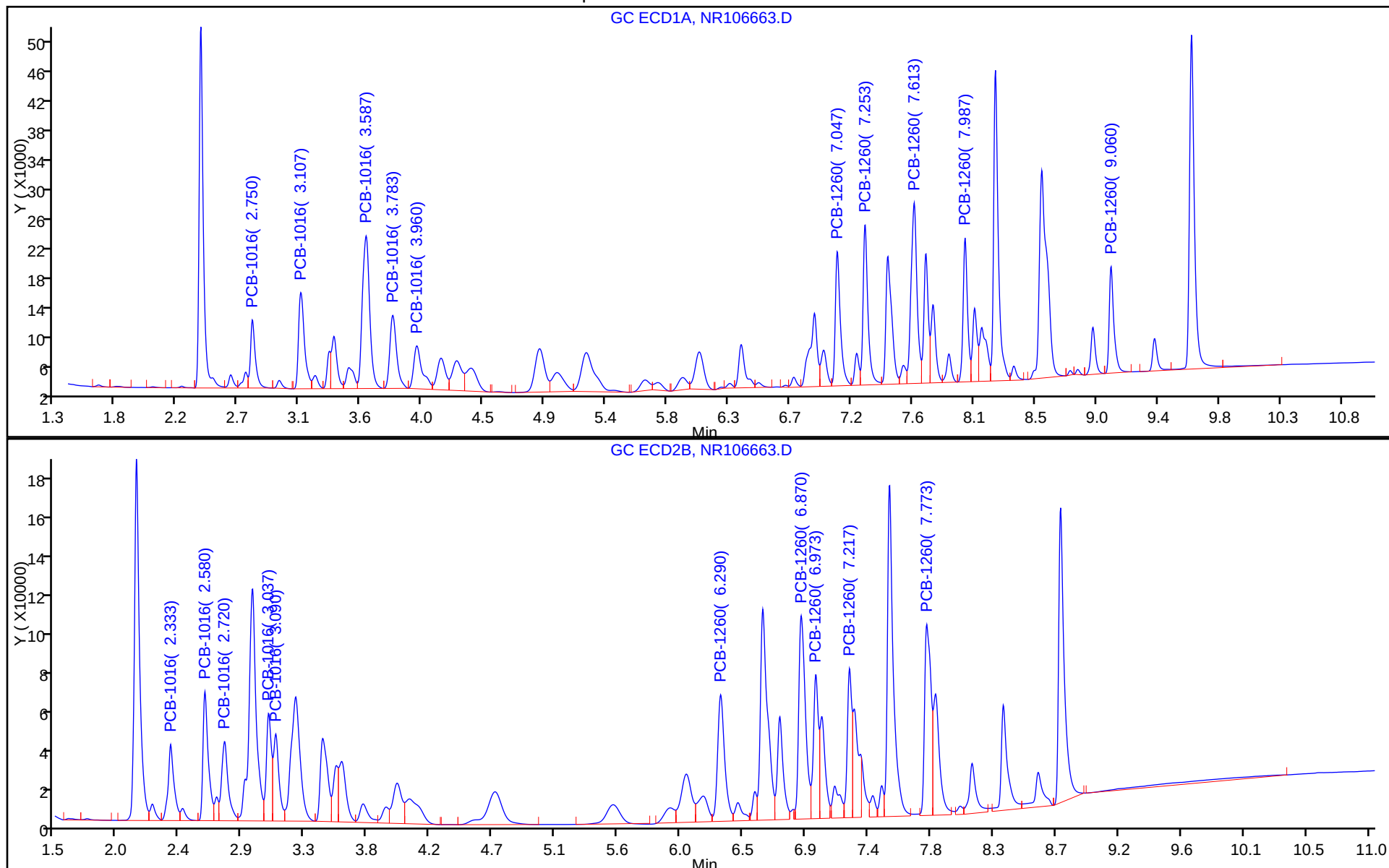
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106663.D

Injection Date: 11-Sep-2014 03:12:49

Instrument ID: CPESTGC6

Lims ID: IC PCBL4

Client ID:

Operator ID:

ALS Bottle#:

13

Worklist Smp#:

13

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

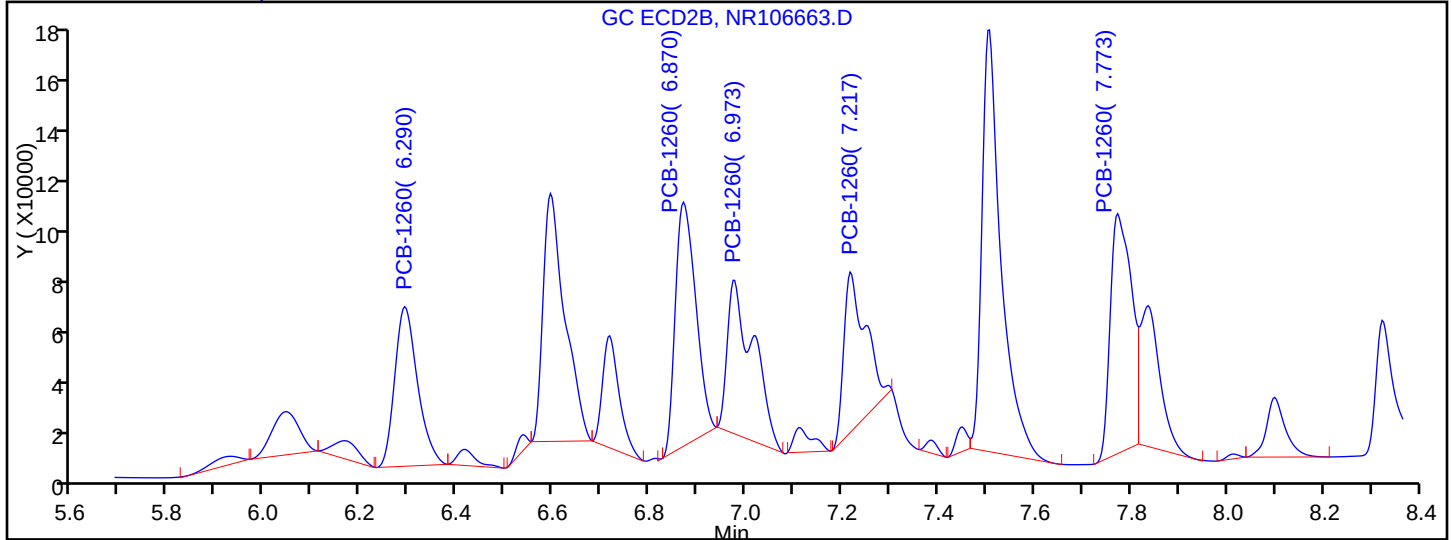
Limit Group:

GC 608 ICAL

Column:

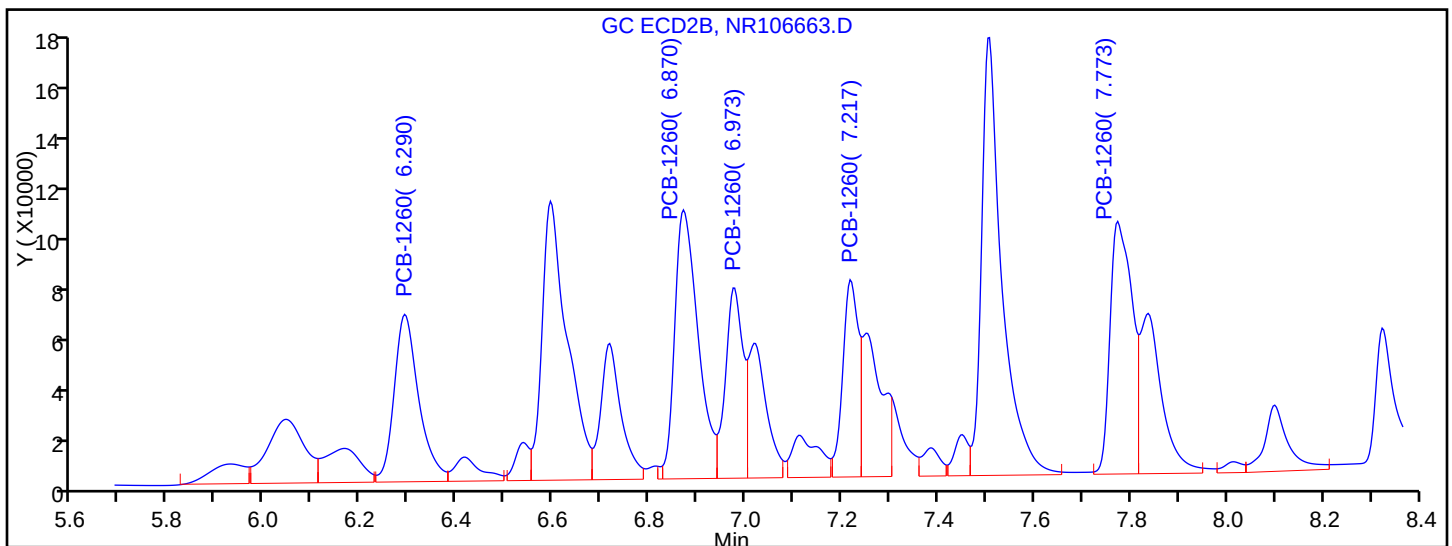
Detector

GC ECD2B

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 6.290	Response = 191916	M
RT = 6.870	Response = 262342	M
RT = 6.973	Response = 213162	M
RT = 7.217	Response = 180457	M
RT = 7.773	Response = 268776	M



Manual Integration Results

RT = 6.290	Response = 218511	M
RT = 6.870	Response = 332776	M
RT = 6.973	Response = 177031	M
RT = 7.217	Response = 162250	M
RT = 7.773	Response = 293301	M

Reviewer: kapoors, 11-Sep-2014 07:34:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Lims ID: IC PCBL5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 11-Sep-2014 03:27:05 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0017932-014
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub24
 Method: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 11-Sep-2014 09:49:01 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK030

First Level Reviewer: kapoors

Date: 11-Sep-2014 07:35:12

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

33 PCB-1016

							M
1	2.747	2.747	0.000	37219	2500.0	2337.8	M
1	3.100	3.103	-0.003	64126	2500.0	2260.4	M
1	3.580	3.580	0.000	129983	2500.0	2412.0	
1	3.773	3.773	0.000	61212	2500.0	2506.3	
1	3.947	3.950	-0.003	47548	2500.0	2718.0	

Average of Peak Amounts = 2446.9

2	2.333	2.333	0.000	179464	2500.0	2289.9	M
2	2.580	2.580	0.000	274913	2500.0	2306.9	M
2	2.723	2.723	0.000	209087	2500.0	2345.1	M
2	3.037	3.040	-0.003	224975	2500.0	2410.3	M
2	3.090	3.090	0.000	191932	2500.0	2408.1	M

Average of Peak Amounts = 2352.1

RPD = 3.95

41 PCB-1260

							M
1	7.043	7.043	0.000	76519	2500.0	2295.2	M
1	7.247	7.247	0.000	85081	2500.0	2325.6	M
1	7.607	7.607	0.000	121648	2500.0	2375.6	M
1	7.980	7.980	0.000	70999	2500.0	2436.6	M
1	9.050	9.050	0.000	59480	2500.0	2519.4	M

Average of Peak Amounts = 2390.5

2	6.290	6.290	0.000	357767	2500.0	2371.4	M
2	6.870	6.870	0.000	539749	2500.0	2351.1	M
2	6.973	6.977	-0.004	285128	2500.0	2274.6	M
2	7.217	7.217	0.000	293793	2500.0	2498.1	M
2	7.770	7.770	0.000	483657	2500.0	2351.1	M

Average of Peak Amounts = 2369.3

RPD = 0.89

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660608L5_00004

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D

Injection Date: 11-Sep-2014 03:27:05

Instrument ID: CPESTGC6

Operator ID:

Lims ID: IC PCBL5

Worklist Smp#: 14

Client ID:

Injection Vol: 1.0 ul

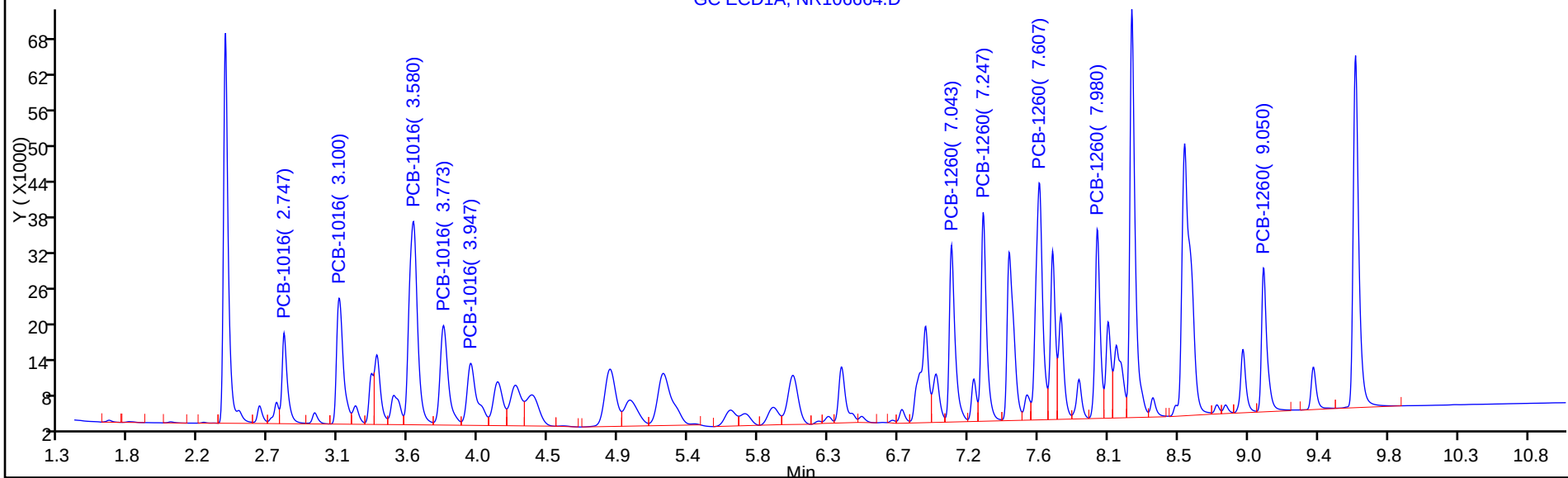
Dil. Factor: 1.0000

ALS Bottle#: 14

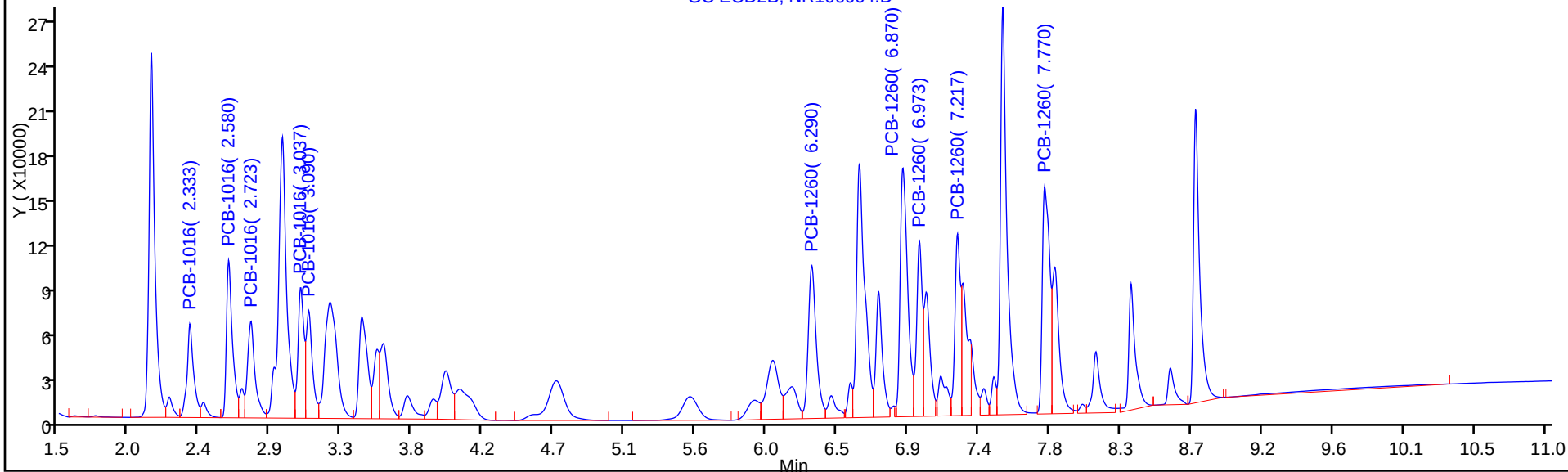
Method: 608GC6

Limit Group: GC 608 ICAL

GC ECD1A, NR106664.D



GC ECD2B, NR106664.D



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D

Injection Date: 11-Sep-2014 03:27:05

Instrument ID: CPESTGC6

Lims ID: IC PCBL5

Client ID:

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

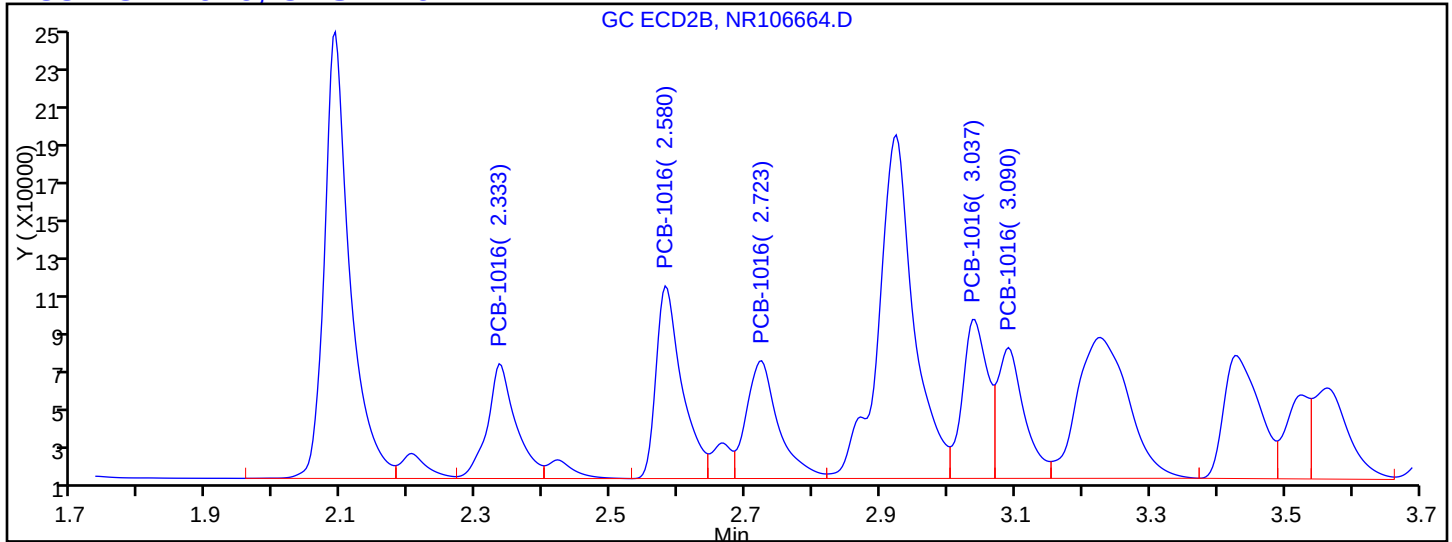
Limit Group:

GC 608 ICAL

Column:

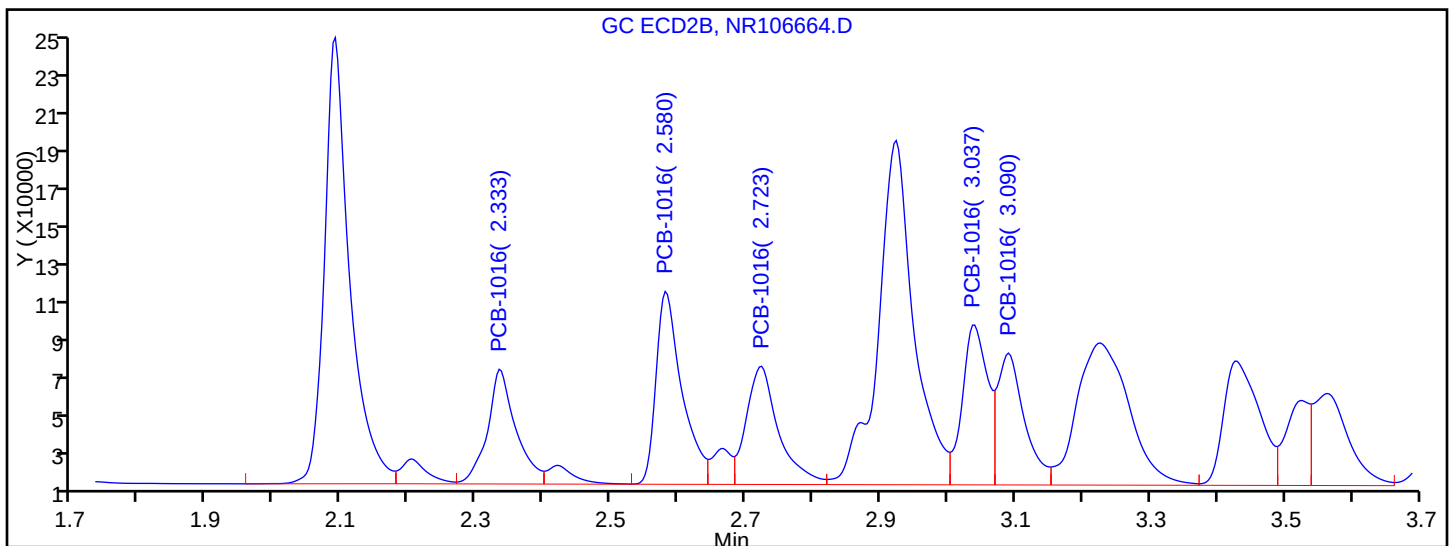
Detector

GC ECD2B

33 PCB-1016, CAS: 12674-11-2

Processing Integration Results

RT = 2.333	Response = 179409	M
RT = 2.580	Response = 273893	M
RT = 2.723	Response = 206709	M
RT = 3.037	Response = 222841	M
RT = 3.090	Response = 188947	M



Manual Integration Results

RT = 2.333	Response = 179464	M
RT = 2.580	Response = 274913	M
RT = 2.723	Response = 209087	M
RT = 3.037	Response = 224975	M
RT = 3.090	Response = 191932	M

Reviewer: patelji, 11-Sep-2014 08:45:33

Audit Action: Assigned New Baseline

Audit Reason: Sample matrix interference

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D

Injection Date: 11-Sep-2014 03:27:05

Instrument ID: CPESTGC6

Lims ID: IC PCBL5

Client ID:

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

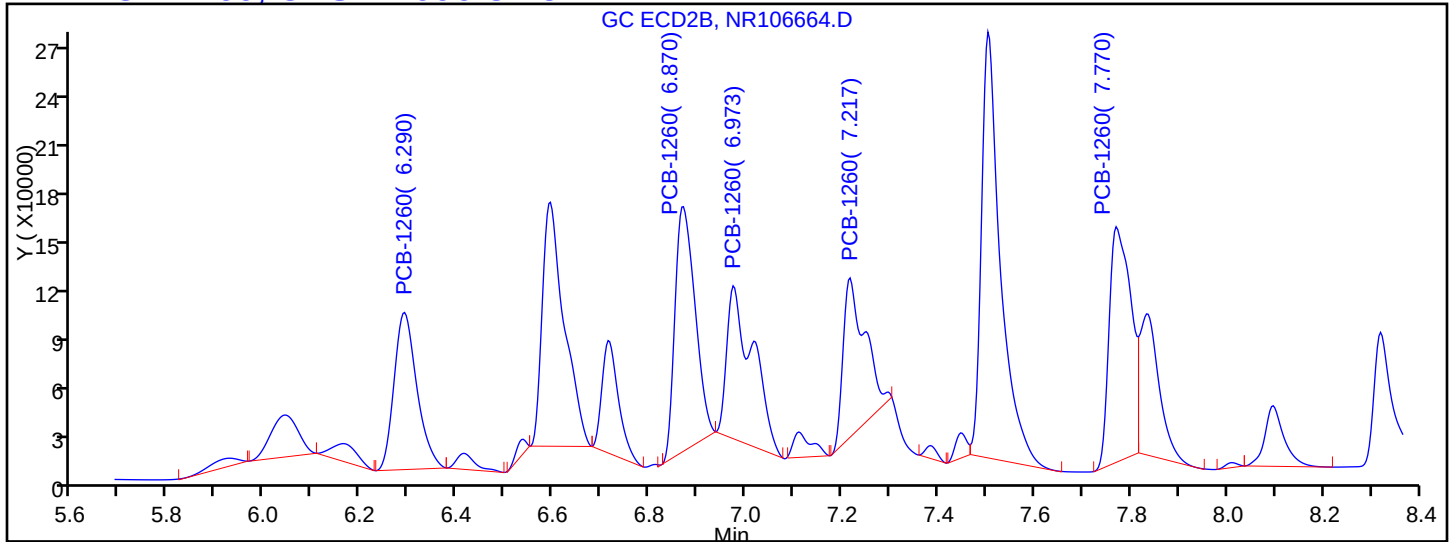
Limit Group:

GC 608 ICAL

Column:

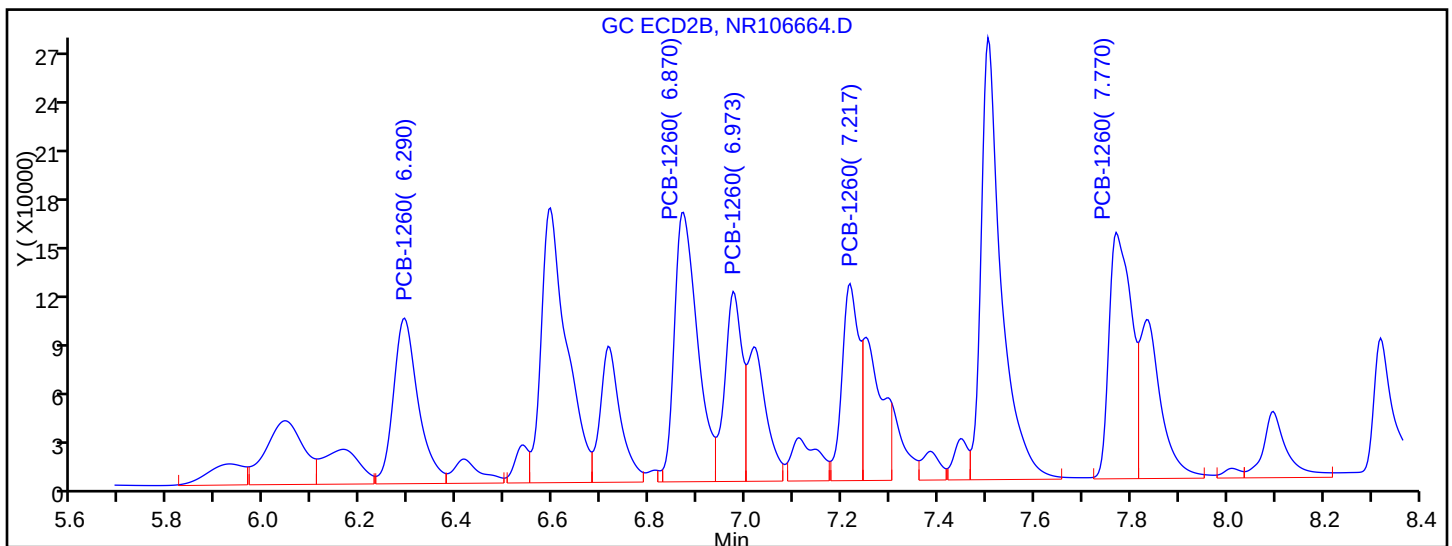
Detector

GC ECD2B

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 6.290	Response = 312069	M
RT = 6.870	Response = 427830	M
RT = 6.973	Response = 350374	M
RT = 7.217	Response = 298830	M
RT = 7.770	Response = 447755	M



Manual Integration Results

RT = 6.290	Response = 357767	M
RT = 6.870	Response = 539749	M
RT = 6.973	Response = 285128	M
RT = 7.217	Response = 293793	M
RT = 7.770	Response = 483657	M

Reviewer: kapoors, 11-Sep-2014 07:35:12

Audit Action: Assigned New Baseline

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10/30/2014

Audit Reason: Wrong Peak

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab Sample ID: CCVRT 460-253466/3 Calibration Date: 10/03/2014 07:29
Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 00:35
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/11/2014 01:32
Lab File ID: NR106777.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene (Surr)	Ave	723.1	744.0		103	100	2.9	15.0
DCB Decachlorobiphenyl	Lin		768.2		92.3	100	-7.7	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab Sample ID: CCVRT 460-253466/3 Calibration Date: 10/03/2014 07:29
Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 00:35
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/11/2014 01:32
Lab File ID: NR106777.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene (Surr)	2.36	2.31	2.41
DCB Decachlorobiphenyl	9.62	9.52	9.72

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106777.D
 Lims ID: CCVRT
 Client ID:
 Sample Type: CCVRT
 Inject. Date: 03-Oct-2014 07:29:59 ALS Bottle#: 57 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 03-Oct-2014 14:41:40 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: kapoors

Date: 03-Oct-2014 08:58:48

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

\$ 4 Tetrachloro-m-xylene

1	2.363	2.363	0.000	74400	100.0	102.9	
2	2.093	2.093	0.000	298547	100.0	93.0	
RPD = 10.06							

15 alpha-BHC

1	2.857	2.857	0.000	99578	100.0	96.2	
2	2.483	2.483	0.000	384405	100.0	96.6	
RPD = 0.42							

2 gamma-BHC (Lindane)

1	3.193	3.193	0.000	91657	100.0	96.3	
2	2.710	2.710	0.000	318934	100.0	96.5	
RPD = 0.24							

6 beta-BHC

1	3.270	3.270	0.000	49477	100.0	100.3	
2	2.770	2.770	0.000	199931	100.0	100.6	
RPD = 0.29							

32 delta-BHC

1	3.620	3.620	0.000	90720	100.0	95.7	
2	2.913	2.913	0.000	345301	100.0	96.7	
RPD = 1.04							

18 Heptachlor

1	3.727	3.727	0.000	95949	100.0	95.9	
2	3.097	3.097	0.000	349376	100.0	94.8	
RPD = 1.18							

8 Aldrin

1	4.427	4.427	0.000	84527	100.0	90.9	
2	3.393	3.393	0.000	332765	100.0	95.1	
RPD = 4.51							

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106777.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Heptachlor epoxide							
1	6.030	6.030	0.000	82592	100.0	95.7	
2	4.533	4.533	0.000	350535	100.0	95.2	
						RPD = 0.48	
9 gamma-Chlordane							
1	6.350	6.350	0.000	82317	100.0	98.5	
2	4.920	4.920	0.000	356054	100.0	94.6	
						RPD = 4.05	
23 alpha-Chlordane							
1	6.520	6.520	0.000	75523	100.0	100.0	
2	5.343	5.343	0.000	335365	100.0	94.2	
						RPD = 6.06	
7 Endosulfan I							
1	6.590	6.590	0.000	76225	100.0	97.6	
2	5.797	5.797	0.000	305366	100.0	91.2	
						RPD = 6.72	
25 4,4'-DDE							
1	6.673	6.673	0.000	72749	100.0	97.3	M
2	5.570	5.570	0.000	317727	100.0	93.7	M
						RPD = 3.74	
30 Dieldrin							
1	6.873	6.873	0.000	76069	100.0	95.7	
2	6.317	6.317	0.000	303070	100.0	93.1	
						RPD = 2.74	
20 Endrin							
1	7.197	7.197	0.000	62227	100.0	95.5	M
2	6.573	6.573	0.000	226715	100.0	98.7	M
						RPD = 3.27	
16 4,4'-DDD							
1	7.273	7.273	0.000	56822	100.0	94.5	M
2	6.623	6.623	0.000	276578	100.0	94.1	M
						RPD = 0.43	
11 Endosulfan II							
1	7.407	7.407	0.000	69785	100.0	98.4	M
2	6.790	6.790	0.000	253667	100.0	94.0	M
						RPD = 4.58	
21 4,4'-DDT							
1	7.587	7.587	0.000	59611	100.0	95.0	M
2	6.897	6.897	0.000	264821	100.0	93.4	M
						RPD = 1.70	
5 Endrin aldehyde							
1	7.737	7.737	0.000	58135	100.0	97.1	
2	7.197	7.197	0.000	209716	100.0	89.5	
						RPD = 8.18	
3 Endosulfan sulfate							
1	8.000	8.000	0.000	60341	100.0	97.3	
2	7.607	7.607	0.000	218727	100.0	90.0	
						RPD = 7.81	

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106777.D

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

10 Methoxychlor

1	8.223	8.223	0.000	30890	100.0	90.8	
2	7.357	7.357	0.000	135147	100.0	90.8	

RPD = 0.00

13 Endrin ketone

1	8.507	8.507	0.000	79518	100.0	98.4	
2	7.867	7.867	0.000	293881	100.0	96.9	

RPD = 1.49

\$ 24 DCB Decachlorobiphenyl

1	9.623	9.623	0.000	76822	100.0	92.3	
2	8.730	8.730	0.000	277712	100.0	93.9	

RPD = 1.75

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPESTL3_00019

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHRON\ChromData\CPESTGC6\20141003-18866.b\NR106777.D

Injection Date: 03-Oct-2014 07:29:59

Instrument ID: CPESTGC6

Operator ID:

Lims ID: CCVRT

Worklist Smp#: 3

Client ID:

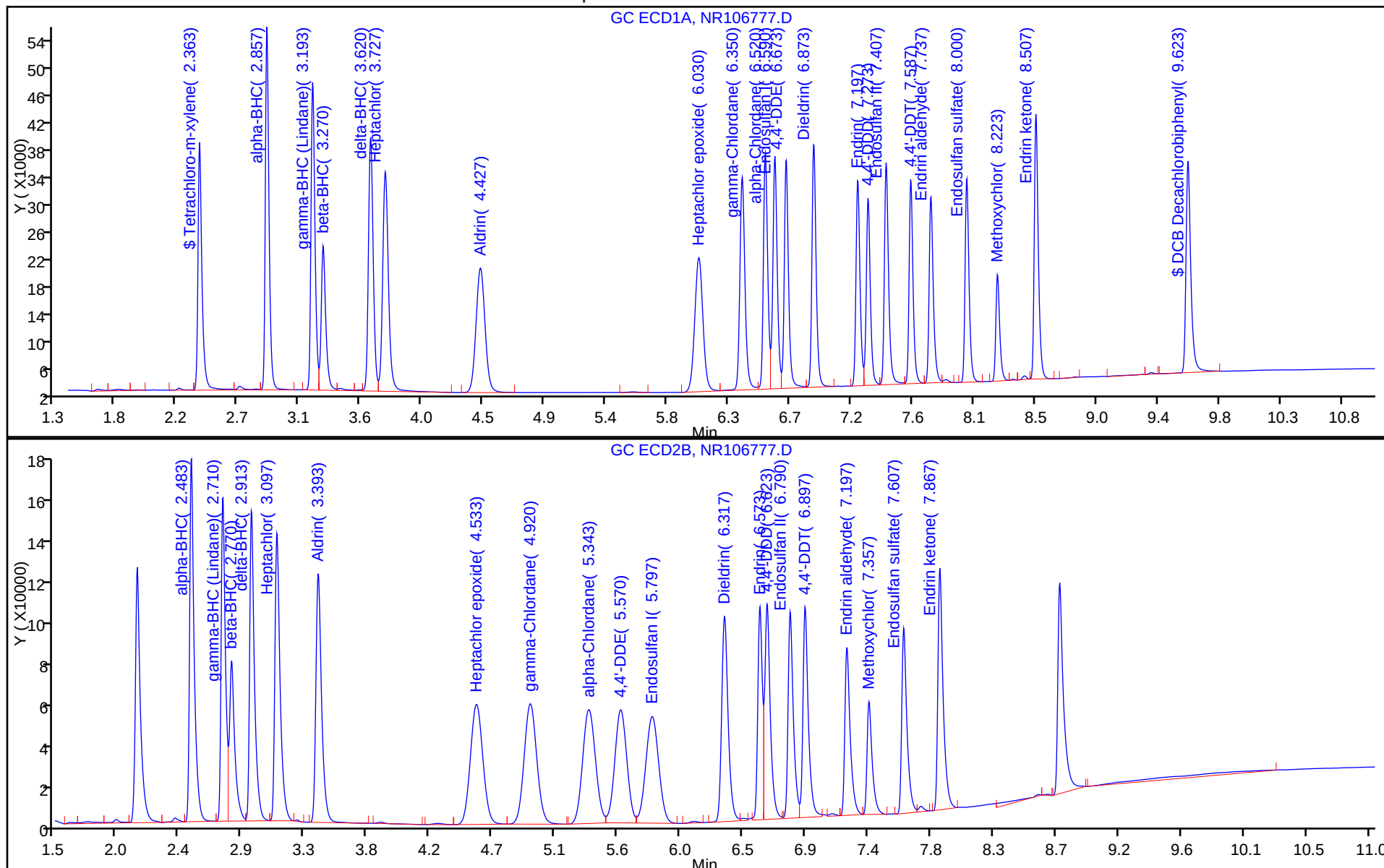
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 57

Method: 608GC6

Limit Group: GC 608 ICAL



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab Sample ID: CCVRT 460-253466/3 Calibration Date: 10/03/2014 07:29
Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 00:35
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/11/2014 01:32
Lab File ID: NR106777.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene (Surr)	Ave	3209	2985		93.0	100	-7.0	15.0
DCB Decachlorobiphenyl	Ave	2957	2777		93.9	100	-6.1	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab Sample ID: CCVRT 460-253466/3 Calibration Date: 10/03/2014 07:29
Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 00:35
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/11/2014 01:32
Lab File ID: NR106777.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene (Surr)	2.09	2.04	2.14
DCB Decachlorobiphenyl	8.73	8.63	8.83

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106777.D
 Lims ID: CCVRT
 Client ID:
 Sample Type: CCVRT
 Inject. Date: 03-Oct-2014 07:29:59 ALS Bottle#: 57 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub1
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 03-Oct-2014 14:41:40 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: kapoors

Date: 03-Oct-2014 08:58:48

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

\$ 4 Tetrachloro-m-xylene

1	2.363	2.363	0.000	74400	100.0	102.9	
2	2.093	2.093	0.000	298547	100.0	93.0	
RPD = 10.06							

15 alpha-BHC

1	2.857	2.857	0.000	99578	100.0	96.2	
2	2.483	2.483	0.000	384405	100.0	96.6	
RPD = 0.42							

2 gamma-BHC (Lindane)

1	3.193	3.193	0.000	91657	100.0	96.3	
2	2.710	2.710	0.000	318934	100.0	96.5	
RPD = 0.24							

6 beta-BHC

1	3.270	3.270	0.000	49477	100.0	100.3	
2	2.770	2.770	0.000	199931	100.0	100.6	
RPD = 0.29							

32 delta-BHC

1	3.620	3.620	0.000	90720	100.0	95.7	
2	2.913	2.913	0.000	345301	100.0	96.7	
RPD = 1.04							

18 Heptachlor

1	3.727	3.727	0.000	95949	100.0	95.9	
2	3.097	3.097	0.000	349376	100.0	94.8	
RPD = 1.18							

8 Aldrin

1	4.427	4.427	0.000	84527	100.0	90.9	
2	3.393	3.393	0.000	332765	100.0	95.1	
RPD = 4.51							

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106777.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
12 Heptachlor epoxide							
1	6.030	6.030	0.000	82592	100.0	95.7	
2	4.533	4.533	0.000	350535	100.0	95.2	
						RPD = 0.48	
9 gamma-Chlordane							
1	6.350	6.350	0.000	82317	100.0	98.5	
2	4.920	4.920	0.000	356054	100.0	94.6	
						RPD = 4.05	
23 alpha-Chlordane							
1	6.520	6.520	0.000	75523	100.0	100.0	
2	5.343	5.343	0.000	335365	100.0	94.2	
						RPD = 6.06	
7 Endosulfan I							
1	6.590	6.590	0.000	76225	100.0	97.6	
2	5.797	5.797	0.000	305366	100.0	91.2	
						RPD = 6.72	
25 4,4'-DDE							
1	6.673	6.673	0.000	72749	100.0	97.3	M
2	5.570	5.570	0.000	317727	100.0	93.7	M
						RPD = 3.74	
30 Dieldrin							
1	6.873	6.873	0.000	76069	100.0	95.7	
2	6.317	6.317	0.000	303070	100.0	93.1	
						RPD = 2.74	
20 Endrin							
1	7.197	7.197	0.000	62227	100.0	95.5	M
2	6.573	6.573	0.000	226715	100.0	98.7	M
						RPD = 3.27	
16 4,4'-DDD							
1	7.273	7.273	0.000	56822	100.0	94.5	M
2	6.623	6.623	0.000	276578	100.0	94.1	M
						RPD = 0.43	
11 Endosulfan II							
1	7.407	7.407	0.000	69785	100.0	98.4	M
2	6.790	6.790	0.000	253667	100.0	94.0	M
						RPD = 4.58	
21 4,4'-DDT							
1	7.587	7.587	0.000	59611	100.0	95.0	M
2	6.897	6.897	0.000	264821	100.0	93.4	M
						RPD = 1.70	
5 Endrin aldehyde							
1	7.737	7.737	0.000	58135	100.0	97.1	
2	7.197	7.197	0.000	209716	100.0	89.5	
						RPD = 8.18	
3 Endosulfan sulfate							
1	8.000	8.000	0.000	60341	100.0	97.3	
2	7.607	7.607	0.000	218727	100.0	90.0	
						RPD = 7.81	

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106777.D

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

10 Methoxychlor

1	8.223	8.223	0.000	30890	100.0	90.8	
2	7.357	7.357	0.000	135147	100.0	90.8	

RPD = 0.00

13 Endrin ketone

1	8.507	8.507	0.000	79518	100.0	98.4	
2	7.867	7.867	0.000	293881	100.0	96.9	

RPD = 1.49

\$ 24 DCB Decachlorobiphenyl

1	9.623	9.623	0.000	76822	100.0	92.3	
2	8.730	8.730	0.000	277712	100.0	93.9	

RPD = 1.75

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPESTL3_00019

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHRON\ChromData\CPESTGC6\20141003-18866.b\NR106777.D

Injection Date: 03-Oct-2014 07:29:59

Instrument ID: CPESTGC6

Operator ID:

Lims ID: CCVRT

Worklist Smp#: 3

Client ID:

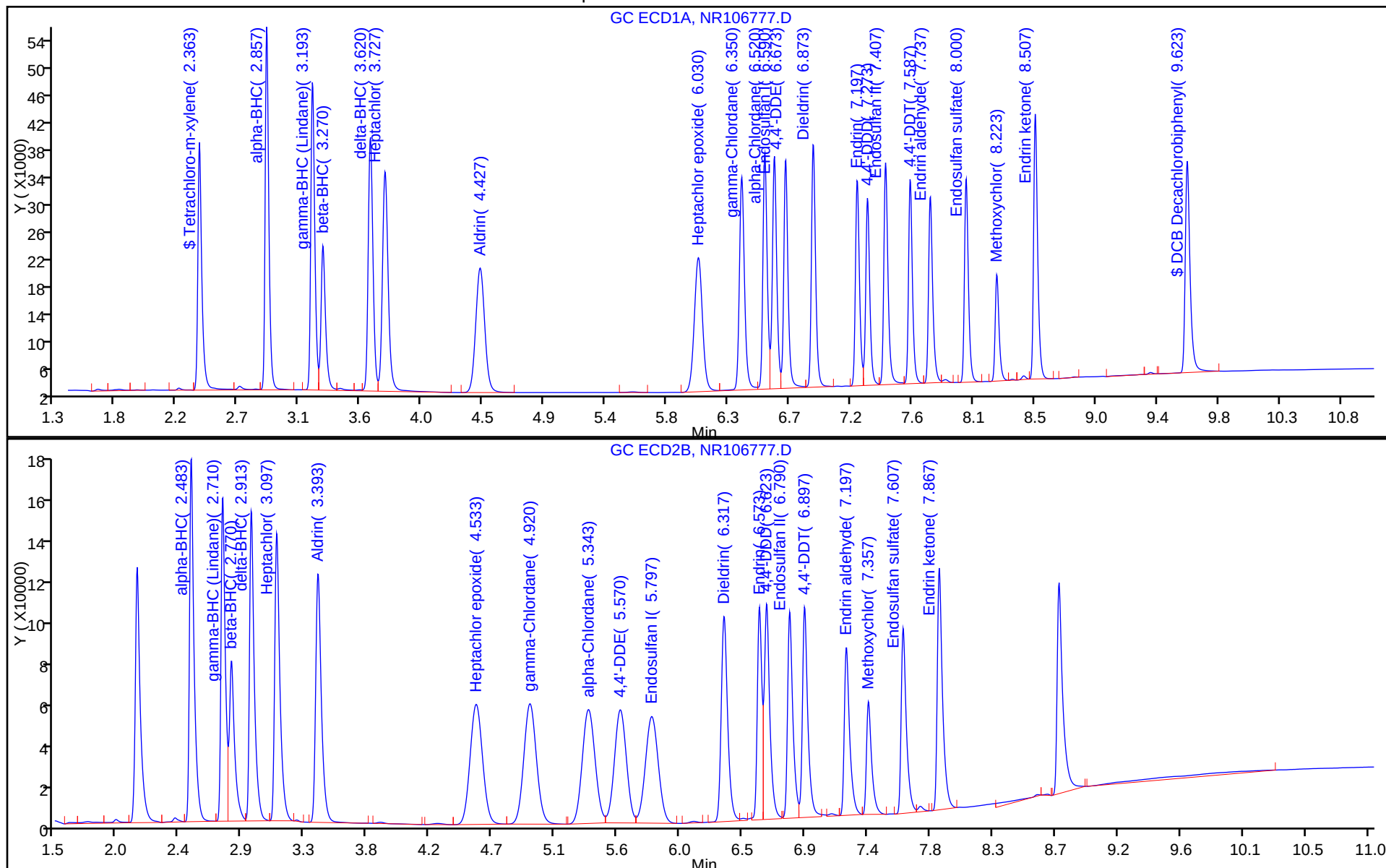
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 57

Method: 608GC6

Limit Group: GC 608 ICAL



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab Sample ID: CCV 460-253466/4 Calibration Date: 10/03/2014 07:44
Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 00:35
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/11/2014 01:32
Lab File ID: NR106778.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene (Surr)	Ave	723.1	730.1		101	100	1.0	15.0
DCB Decachlorobiphenyl	Lin		732.5		87.8	100	-12.2	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab Sample ID: CCV 460-253466/4 Calibration Date: 10/03/2014 07:44
Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 00:35
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/11/2014 01:32
Lab File ID: NR106778.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene (Surr)	2.36	2.31	2.41
DCB Decachlorobiphenyl	9.62	9.52	9.72

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 03-Oct-2014 07:44:19 ALS Bottle#: 58 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub6
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 03-Oct-2014 14:41:41 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: kapoors

Date: 03-Oct-2014 08:59:24

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

\$ 4 Tetrachloro-m-xylene

1	2.363	2.363	0.000	73013	100.0	101.0	
2	2.090	2.090	0.000	306730	100.0	95.6	
						RPD = 5.49	

33 PCB-1016

1	2.740	2.740	0.000	15752	1000.0	989.4	
1	3.093	3.093	0.000	29476	1000.0	1039.0	
1	3.563	3.563	0.000	54208	1000.0	1005.9	
1	3.757	3.757	0.000	24146	1000.0	988.7	
1	3.927	3.927	0.000	17262	1000.0	986.7	
Average of Peak Amounts =						1001.9	
2	2.337	2.337	0.000	74664	1000.0	952.7	
2	2.580	2.580	0.000	115598	1000.0	970.0	
2	2.723	2.723	0.000	86910	1000.0	974.8	
2	3.037	3.037	0.000	88001	1000.0	942.8	
2	3.090	3.090	0.000	76491	1000.0	959.7	
Average of Peak Amounts =						960.0	
						RPD = 4.28	

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D

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

41 PCB-1260

M

1	7.027	7.027	0.000	33392	1000.0	1001.6	
1	7.233	7.233	0.000	37368	1000.0	1021.4	
1	7.593	7.593	0.000	50677	1000.0	989.6	
1	7.967	7.967	0.000	30158	1000.0	1035.0	
1	9.033	9.033	0.000	21858	1000.0	925.8	

Average of Peak Amounts =

994.7

2	6.297	6.297	0.000	140294	1000.0	929.9	M
2	6.873	6.873	0.000	213296	1000.0	929.1	M
2	6.977	6.977	0.000	116458	1000.0	929.0	M
2	7.220	7.220	0.000	110493	1000.0	939.5	M
2	7.773	7.773	0.000	181285	1000.0	881.2	M

Average of Peak Amounts =

921.8

RPD = 7.61

\$ 24 DCB Decachlorobiphenyl

1	9.623	9.623	0.000	73254	100.0	87.8	
2	8.727	8.727	0.000	264901	100.0	89.6	

RPD = 2.04

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L3_00023

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D

Injection Date: 03-Oct-2014 07:44:19

Instrument ID: CPESTGC6

Operator ID:

Lims ID: CCV

Worklist Smp#: 4

Client ID:

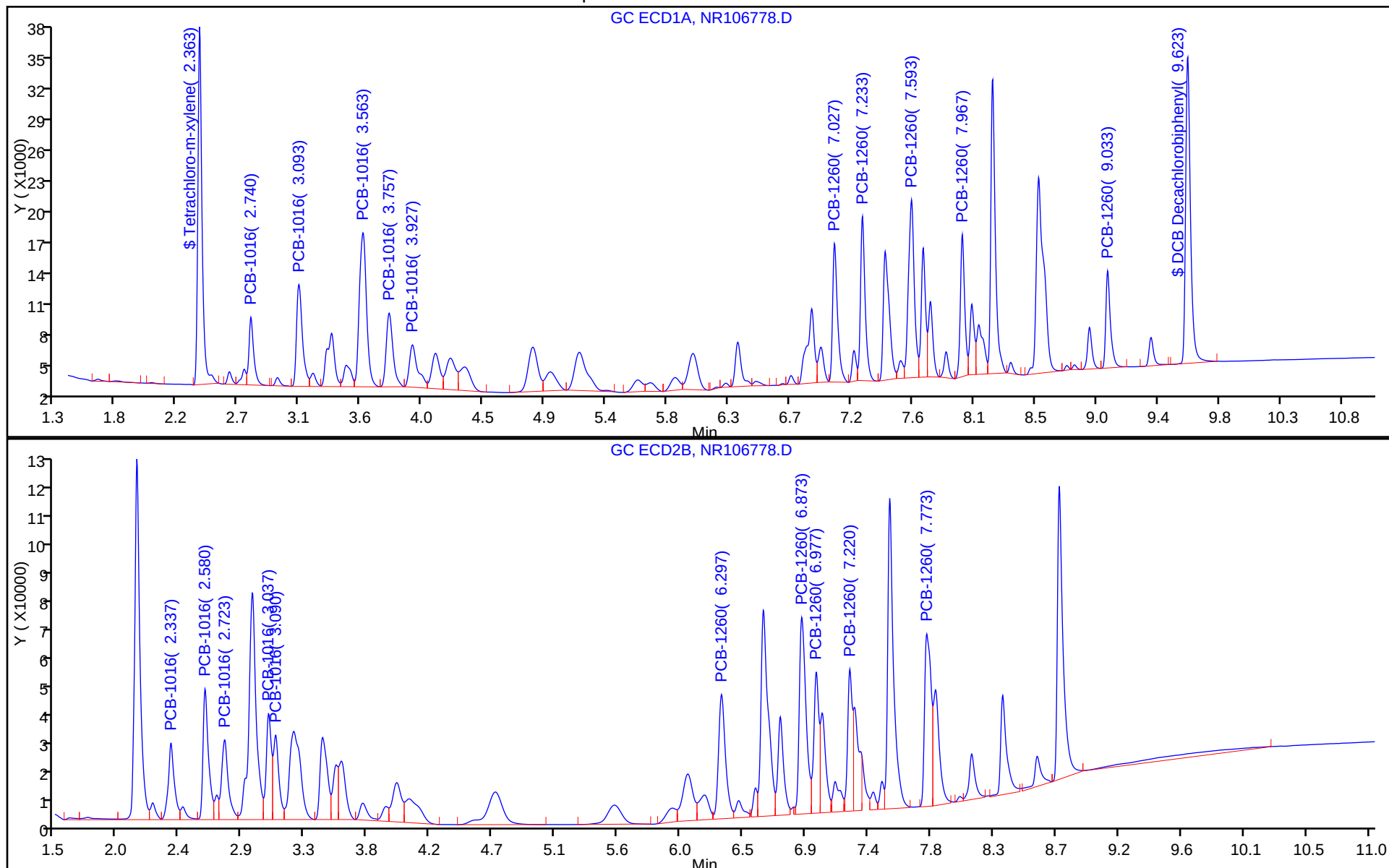
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 58

Method: 608GC6

Limit Group: GC 608 ICAL



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Lab Sample ID: CCV 460-253466/4 Calibration Date: 10/03/2014 07:44
 Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 02:13
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/11/2014 03:27
 Lab File ID: NR106778.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	15.92	15.75		989	1000	-1.1	15.0
PCB-1016 Peak 2	Ave	28.37	29.48		1040	1000	3.9	15.0
PCB-1016 Peak 3	Ave	53.89	54.21		1010	1000	0.6	15.0
PCB-1016 Peak 4	Ave	24.42	24.15		989	1000	-1.1	15.0
PCB-1016 Peak 5	Ave	17.49	17.26		987	1000	-1.3	15.0
PCB-1260 Peak 1	Ave	33.34	33.39		1000	1000	0.2	15.0
PCB-1260 Peak 2	Ave	36.59	37.37		1020	1000	2.1	15.0
PCB-1260 Peak 3	Ave	51.21	50.68		990	1000	-1.0	15.0
PCB-1260 Peak 4	Ave	29.14	30.16		1030	1000	3.5	15.0
PCB-1260 Peak 5	Ave	23.61	21.86		926	1000	-7.4	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab Sample ID: CCV 460-253466/4 Calibration Date: 10/03/2014 07:44
Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 02:13
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 09/11/2014 03:27
Lab File ID: NR106778.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.74	2.64	2.84
PCB-1016 Peak 2	3.09	2.99	3.19
PCB-1016 Peak 3	3.56	3.46	3.66
PCB-1016 Peak 4	3.76	3.66	3.86
PCB-1016 Peak 5	3.93	3.83	4.03
PCB-1260 Peak 1	7.03	6.93	7.13
PCB-1260 Peak 2	7.23	7.13	7.33
PCB-1260 Peak 3	7.59	7.49	7.69
PCB-1260 Peak 4	7.97	7.87	8.07
PCB-1260 Peak 5	9.03	8.93	9.13

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 03-Oct-2014 07:44:19 ALS Bottle#: 58 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub6
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 03-Oct-2014 14:41:41 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: kapoors

Date: 03-Oct-2014 08:59:24

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

\$ 4 Tetrachloro-m-xylene

1	2.363	2.363	0.000	73013	100.0	101.0	
2	2.090	2.090	0.000	306730	100.0	95.6	
						RPD = 5.49	

33 PCB-1016

1	2.740	2.740	0.000	15752	1000.0	989.4	
1	3.093	3.093	0.000	29476	1000.0	1039.0	
1	3.563	3.563	0.000	54208	1000.0	1005.9	
1	3.757	3.757	0.000	24146	1000.0	988.7	
1	3.927	3.927	0.000	17262	1000.0	986.7	
Average of Peak Amounts =						1001.9	
2	2.337	2.337	0.000	74664	1000.0	952.7	
2	2.580	2.580	0.000	115598	1000.0	970.0	
2	2.723	2.723	0.000	86910	1000.0	974.8	
2	3.037	3.037	0.000	88001	1000.0	942.8	
2	3.090	3.090	0.000	76491	1000.0	959.7	
Average of Peak Amounts =						960.0	
						RPD = 4.28	

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D

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

41 PCB-1260

M

1	7.027	7.027	0.000	33392	1000.0	1001.6	
1	7.233	7.233	0.000	37368	1000.0	1021.4	
1	7.593	7.593	0.000	50677	1000.0	989.6	
1	7.967	7.967	0.000	30158	1000.0	1035.0	
1	9.033	9.033	0.000	21858	1000.0	925.8	

Average of Peak Amounts =

994.7

2	6.297	6.297	0.000	140294	1000.0	929.9	M
2	6.873	6.873	0.000	213296	1000.0	929.1	M
2	6.977	6.977	0.000	116458	1000.0	929.0	M
2	7.220	7.220	0.000	110493	1000.0	939.5	M
2	7.773	7.773	0.000	181285	1000.0	881.2	M

Average of Peak Amounts =

921.8

RPD = 7.61

\$ 24 DCB Decachlorobiphenyl

1	9.623	9.623	0.000	73254	100.0	87.8	
2	8.727	8.727	0.000	264901	100.0	89.6	

RPD = 2.04

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L3_00023

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D

Injection Date: 03-Oct-2014 07:44:19

Instrument ID: CPESTGC6

Operator ID:

Lims ID: CCV

Worklist Smp#: 4

Client ID:

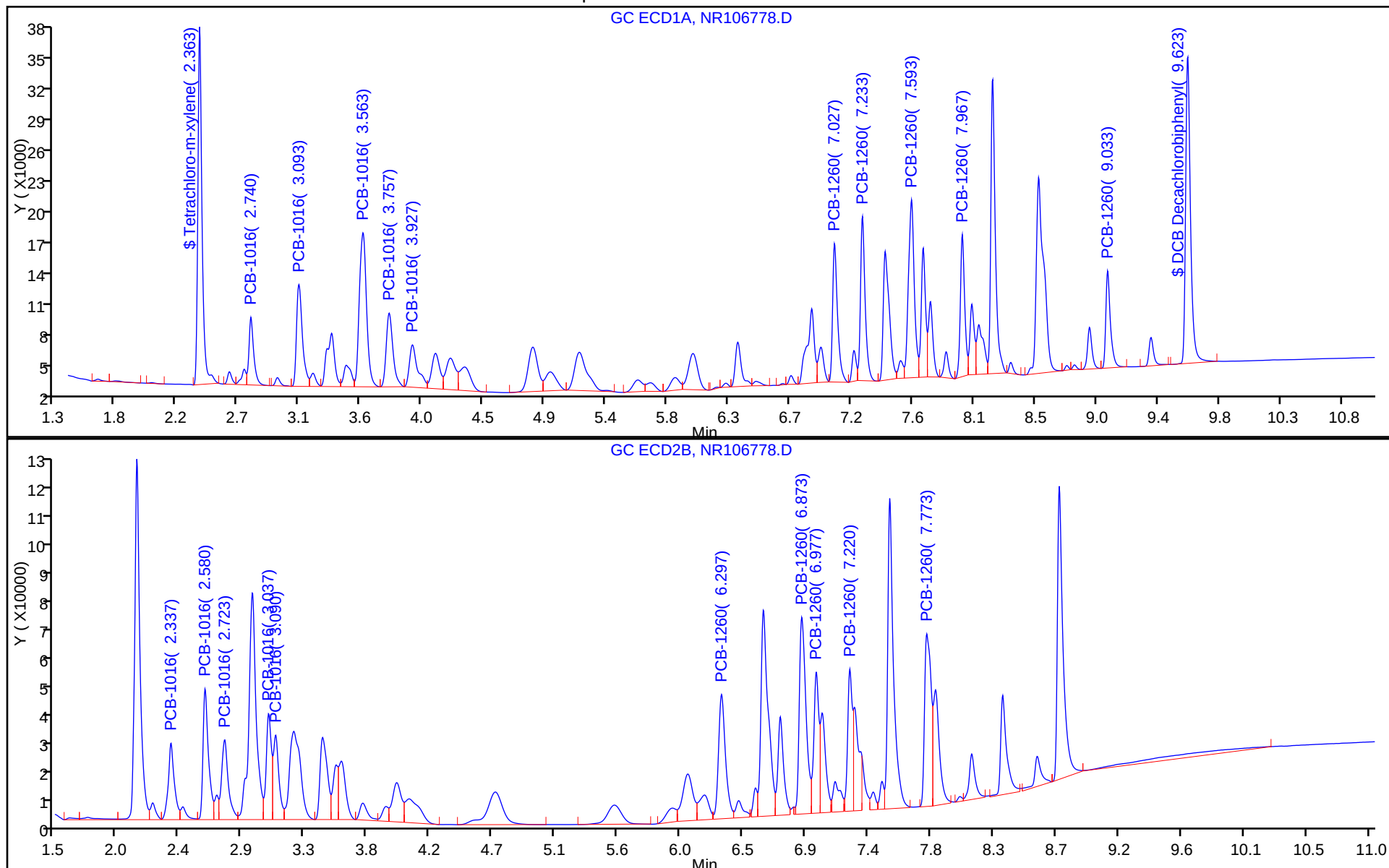
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 58

Method: 608GC6

Limit Group: GC 608 ICAL



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab Sample ID: CCV 460-253466/4 Calibration Date: 10/03/2014 07:44
Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 00:35
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/11/2014 01:32
Lab File ID: NR106778.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrachloro-m-xylene (Surr)	Ave	3209	3067		95.6	100	-4.4	15.0
DCB Decachlorobiphenyl	Ave	2957	2649		89.6	100	-10.4	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab Sample ID: CCV 460-253466/4 Calibration Date: 10/03/2014 07:44
Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 00:35
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/11/2014 01:32
Lab File ID: NR106778.D

Analyte	RT	RT WINDOW	
		FROM	TO
Tetrachloro-m-xylene (Surr)	2.09	2.04	2.14
DCB Decachlorobiphenyl	8.73	8.63	8.83

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 03-Oct-2014 07:44:19 ALS Bottle#: 58 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub6
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 03-Oct-2014 14:41:41 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: kapoors

Date: 03-Oct-2014 08:59:24

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

\$ 4 Tetrachloro-m-xylene

1	2.363	2.363	0.000	73013	100.0	101.0	
2	2.090	2.090	0.000	306730	100.0	95.6	
						RPD = 5.49	

33 PCB-1016

1	2.740	2.740	0.000	15752	1000.0	989.4	
1	3.093	3.093	0.000	29476	1000.0	1039.0	
1	3.563	3.563	0.000	54208	1000.0	1005.9	
1	3.757	3.757	0.000	24146	1000.0	988.7	
1	3.927	3.927	0.000	17262	1000.0	986.7	
Average of Peak Amounts =						1001.9	
2	2.337	2.337	0.000	74664	1000.0	952.7	
2	2.580	2.580	0.000	115598	1000.0	970.0	
2	2.723	2.723	0.000	86910	1000.0	974.8	
2	3.037	3.037	0.000	88001	1000.0	942.8	
2	3.090	3.090	0.000	76491	1000.0	959.7	
Average of Peak Amounts =						960.0	
						RPD = 4.28	

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D

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

41 PCB-1260

M

1	7.027	7.027	0.000	33392	1000.0	1001.6	
1	7.233	7.233	0.000	37368	1000.0	1021.4	
1	7.593	7.593	0.000	50677	1000.0	989.6	
1	7.967	7.967	0.000	30158	1000.0	1035.0	
1	9.033	9.033	0.000	21858	1000.0	925.8	

Average of Peak Amounts =

994.7

2	6.297	6.297	0.000	140294	1000.0	929.9	M
2	6.873	6.873	0.000	213296	1000.0	929.1	M
2	6.977	6.977	0.000	116458	1000.0	929.0	M
2	7.220	7.220	0.000	110493	1000.0	939.5	M
2	7.773	7.773	0.000	181285	1000.0	881.2	M

Average of Peak Amounts =

921.8

RPD = 7.61

\$ 24 DCB Decachlorobiphenyl

1	9.623	9.623	0.000	73254	100.0	87.8	
2	8.727	8.727	0.000	264901	100.0	89.6	

RPD = 2.04

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L3_00023

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D

Injection Date: 03-Oct-2014 07:44:19

Instrument ID: CPESTGC6

Operator ID:

Lims ID: CCV

Worklist Smp#: 4

Client ID:

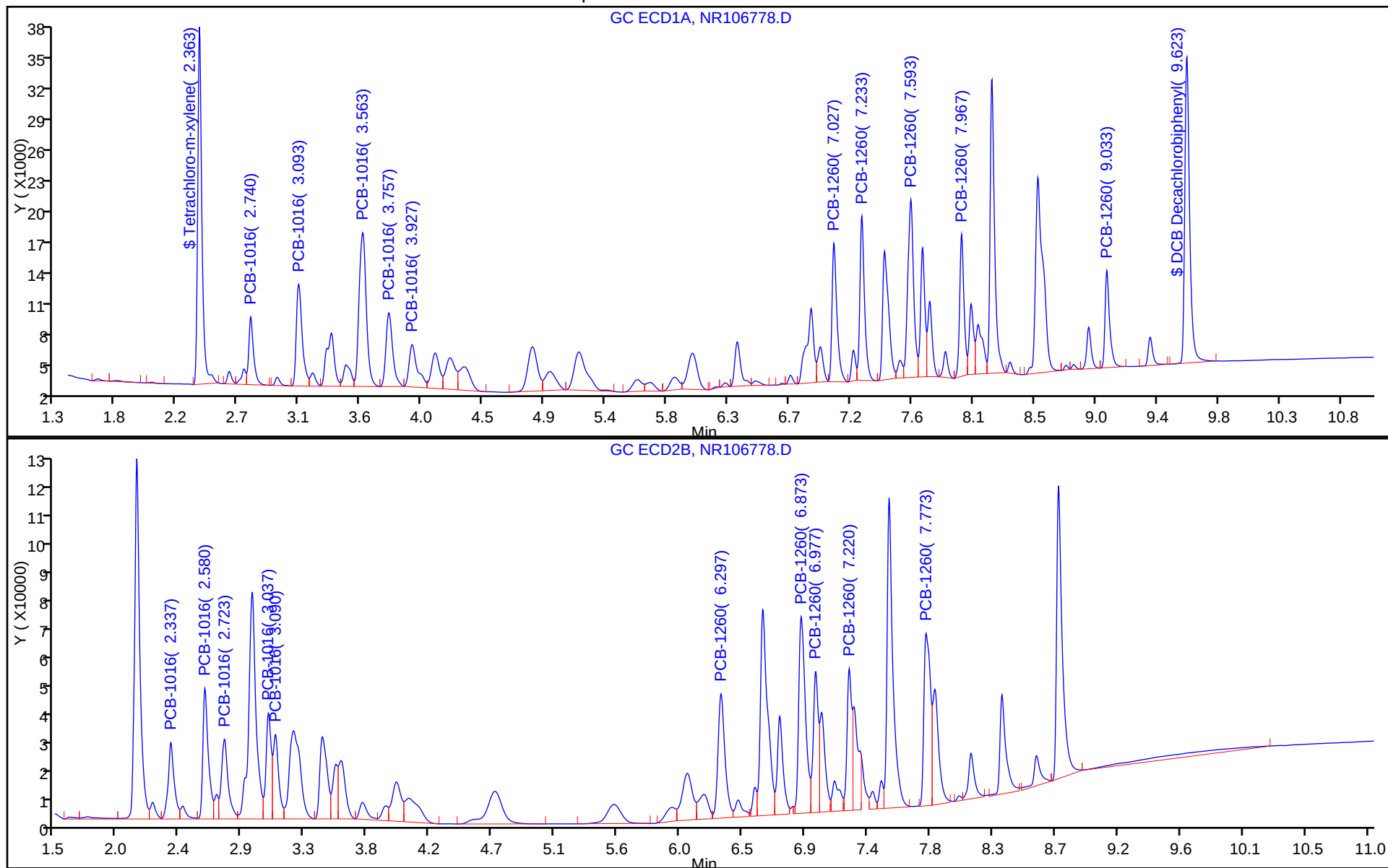
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 58

Method: 608GC6

Limit Group: GC 608 ICAL



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Lab Sample ID: CCV 460-253466/4 Calibration Date: 10/03/2014 07:44
 Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 02:13
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/11/2014 03:27
 Lab File ID: NR106778.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	78.37	74.66		953	1000	-4.7	15.0
PCB-1016 Peak 2	Ave	119.2	115.6		970	1000	-3.0	15.0
PCB-1016 Peak 3	Ave	89.16	86.91		975	1000	-2.5	15.0
PCB-1016 Peak 4	Ave	93.34	88.00		943	1000	-5.7	15.0
PCB-1016 Peak 5	Ave	79.70	76.49		960	1000	-4.0	15.0
PCB-1260 Peak 1	Ave	150.9	140.3		930	1000	-7.0	15.0
PCB-1260 Peak 2	Ave	229.6	213.3		929	1000	-7.1	15.0
PCB-1260 Peak 3	Ave	125.4	116.5		929	1000	-7.1	15.0
PCB-1260 Peak 4	Ave	117.6	110.5		940	1000	-6.0	15.0
PCB-1260 Peak 5	Ave	205.7	181.3		881	1000	-11.9	15.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Lab Sample ID: CCV 460-253466/4 Calibration Date: 10/03/2014 07:44
Instrument ID: CPESTGC6 Calib Start Date: 09/11/2014 02:13
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 09/11/2014 03:27
Lab File ID: NR106778.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.34	2.24	2.44
PCB-1016 Peak 2	2.58	2.48	2.68
PCB-1016 Peak 3	2.72	2.62	2.82
PCB-1016 Peak 4	3.04	2.94	3.14
PCB-1016 Peak 5	3.09	2.99	3.19
PCB-1260 Peak 1	6.30	6.20	6.40
PCB-1260 Peak 2	6.87	6.77	6.97
PCB-1260 Peak 3	6.98	6.88	7.08
PCB-1260 Peak 4	7.22	7.12	7.32
PCB-1260 Peak 5	7.77	7.67	7.87

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D
 Lims ID: CCV
 Client ID:
 Sample Type: CCV
 Inject. Date: 03-Oct-2014 07:44:19 ALS Bottle#: 58 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Sublist: chrom-608GC6*sub6
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 03-Oct-2014 14:41:41 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: kapoors

Date: 03-Oct-2014 08:59:24

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

\$ 4 Tetrachloro-m-xylene

1	2.363	2.363	0.000	73013	100.0	101.0	
2	2.090	2.090	0.000	306730	100.0	95.6	
						RPD = 5.49	

33 PCB-1016

1	2.740	2.740	0.000	15752	1000.0	989.4	
1	3.093	3.093	0.000	29476	1000.0	1039.0	
1	3.563	3.563	0.000	54208	1000.0	1005.9	
1	3.757	3.757	0.000	24146	1000.0	988.7	
1	3.927	3.927	0.000	17262	1000.0	986.7	
Average of Peak Amounts =						1001.9	
2	2.337	2.337	0.000	74664	1000.0	952.7	
2	2.580	2.580	0.000	115598	1000.0	970.0	
2	2.723	2.723	0.000	86910	1000.0	974.8	
2	3.037	3.037	0.000	88001	1000.0	942.8	
2	3.090	3.090	0.000	76491	1000.0	959.7	
Average of Peak Amounts =						960.0	
						RPD = 4.28	

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D

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

41 PCB-1260

M

1	7.027	7.027	0.000	33392	1000.0	1001.6	
1	7.233	7.233	0.000	37368	1000.0	1021.4	
1	7.593	7.593	0.000	50677	1000.0	989.6	
1	7.967	7.967	0.000	30158	1000.0	1035.0	
1	9.033	9.033	0.000	21858	1000.0	925.8	

Average of Peak Amounts =

994.7

2	6.297	6.297	0.000	140294	1000.0	929.9	M
2	6.873	6.873	0.000	213296	1000.0	929.1	M
2	6.977	6.977	0.000	116458	1000.0	929.0	M
2	7.220	7.220	0.000	110493	1000.0	939.5	M
2	7.773	7.773	0.000	181285	1000.0	881.2	M

Average of Peak Amounts =

921.8

RPD = 7.61

\$ 24 DCB Decachlorobiphenyl

1	9.623	9.623	0.000	73254	100.0	87.8	
2	8.727	8.727	0.000	264901	100.0	89.6	

RPD = 2.04

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SG1660L3_00023

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D

Injection Date: 03-Oct-2014 07:44:19

Instrument ID: CPESTGC6

Operator ID:

Lims ID: CCV

Worklist Smp#: 4

Client ID:

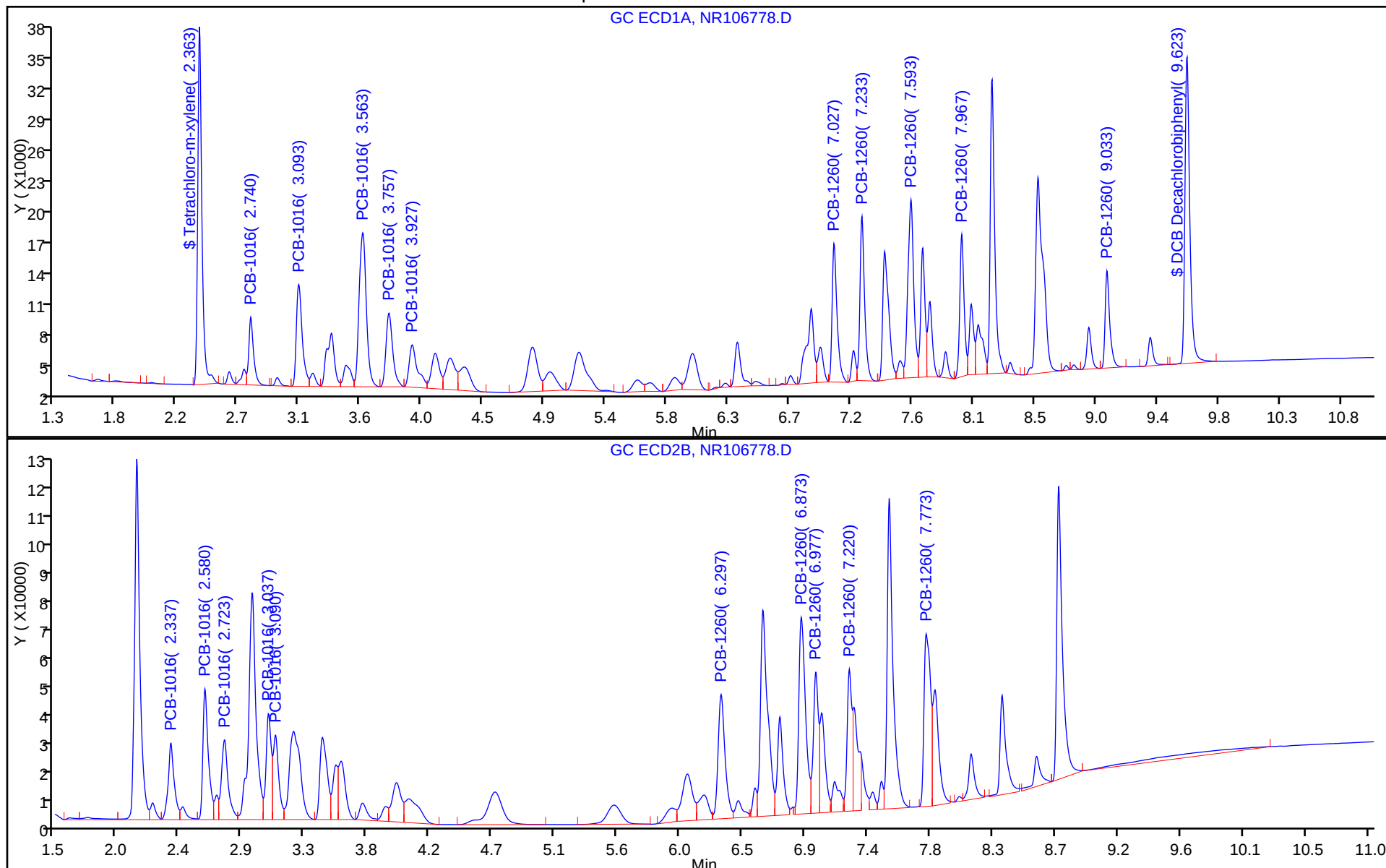
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 58

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106778.D

Injection Date: 03-Oct-2014 07:44:19

Instrument ID: CPESTGC6

Lims ID: CCV

Client ID:

Operator ID:

ALS Bottle#:

58

Worklist Smp#:

4

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

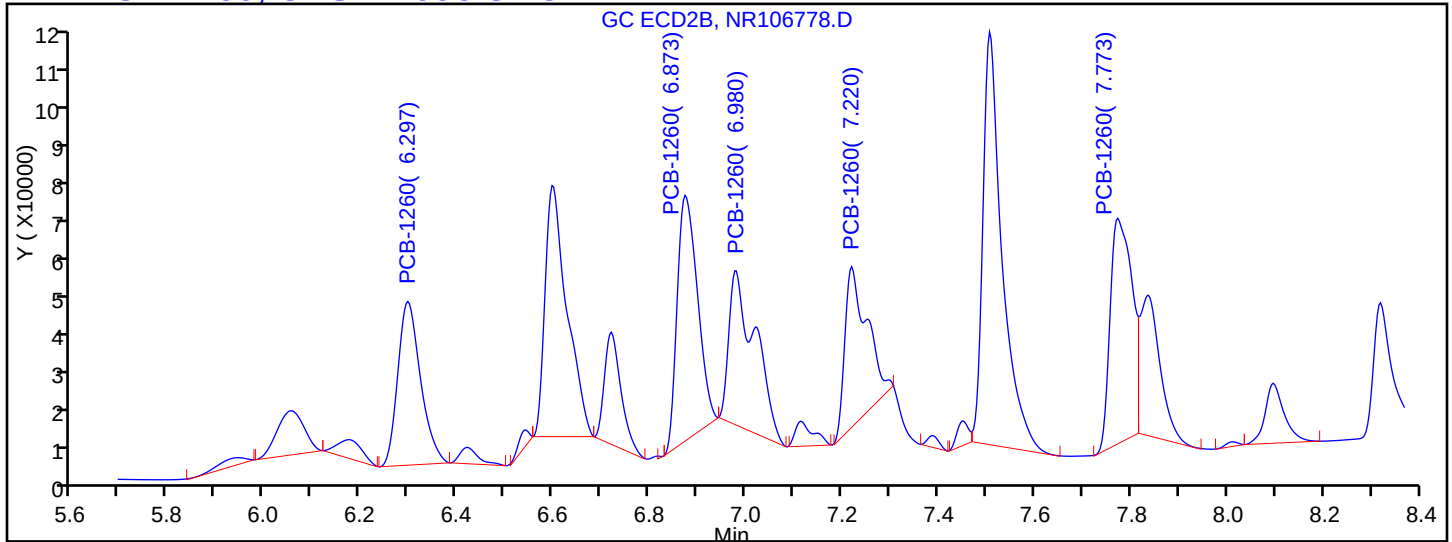
Limit Group:

GC 608 ICAL

Column:

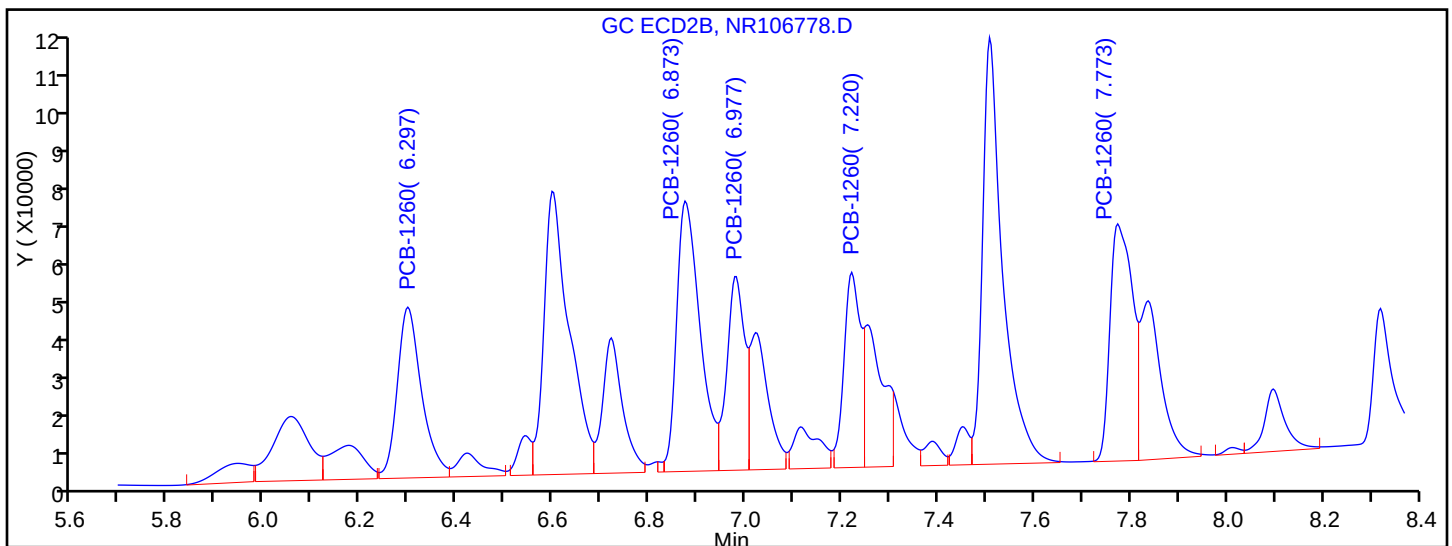
Detector

GC ECD2B

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 6.297	Response = 125360	M
RT = 6.873	Response = 167454	M
RT = 6.980	Response = 137754	M
RT = 7.220	Response = 118085	M
RT = 7.773	Response = 165644	M



Manual Integration Results

RT = 6.297	Response = 140294	M
RT = 6.873	Response = 213296	M
RT = 6.977	Response = 116458	M
RT = 7.220	Response = 110493	M
RT = 7.773	Response = 181285	M

Reviewer: kapoors, 03-Oct-2014 08:59:24

Audit Action: Assigned New Baseline

Page 711 of 1090

10/30/2014

Audit Reason: Wrong Peak

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-253274/1-A
Matrix: Water Lab File ID: NR106783.D
Analysis Method: 608 Date Collected: _____
Extraction Method: 608 Date Extracted: 10/02/2014 13:00
Sample wt/vol: 1000 (mL) Date Analyzed: 10/03/2014 08:59
Con. Extract Vol.: 0.5 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 253466 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	58		15-150
2051-24-3	DCB Decachlorobiphenyl	46		17-143

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106783.D
Lims ID: MB 460-253274/1-A
Client ID:
Sample Type: MB
Inject. Date: 03-Oct-2014 08:59:57 ALS Bottle#: 63 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC6
Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
Limit Group: GC 608 ICAL
Last Update: 03-Oct-2014 14:41:41 Calib Date: 11-Sep-2014 03:27:05
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK027

First Level Reviewer: foleysont

Date: 03-Oct-2014 14:37:05

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

\$ 4 Tetrachloro-m-xylene

1	2.363	2.363	0.000	84020	200.0	116.2	
2	2.087	2.090	-0.003	338876	200.0	105.6	
RPD = 9.55							

\$ 24 DCB Decachlorobiphenyl

1	9.633	9.623	0.010	76096	200.0	91.4	
2	8.727	8.727	0.000	262464	200.0	88.8	
RPD = 2.89							

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106783.D

Injection Date: 03-Oct-2014 08:59:57

Instrument ID: CPESTGC6

Operator ID:

Lims ID: MB 460-253274/1-A

Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul

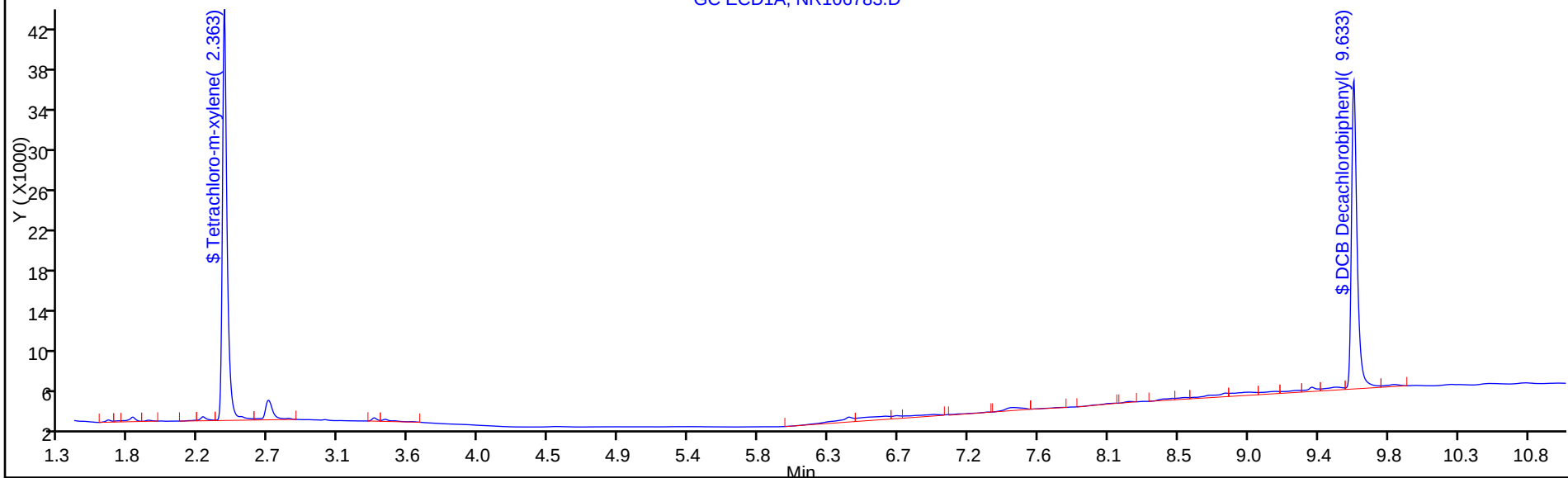
Dil. Factor: 1.0000

ALS Bottle#: 63

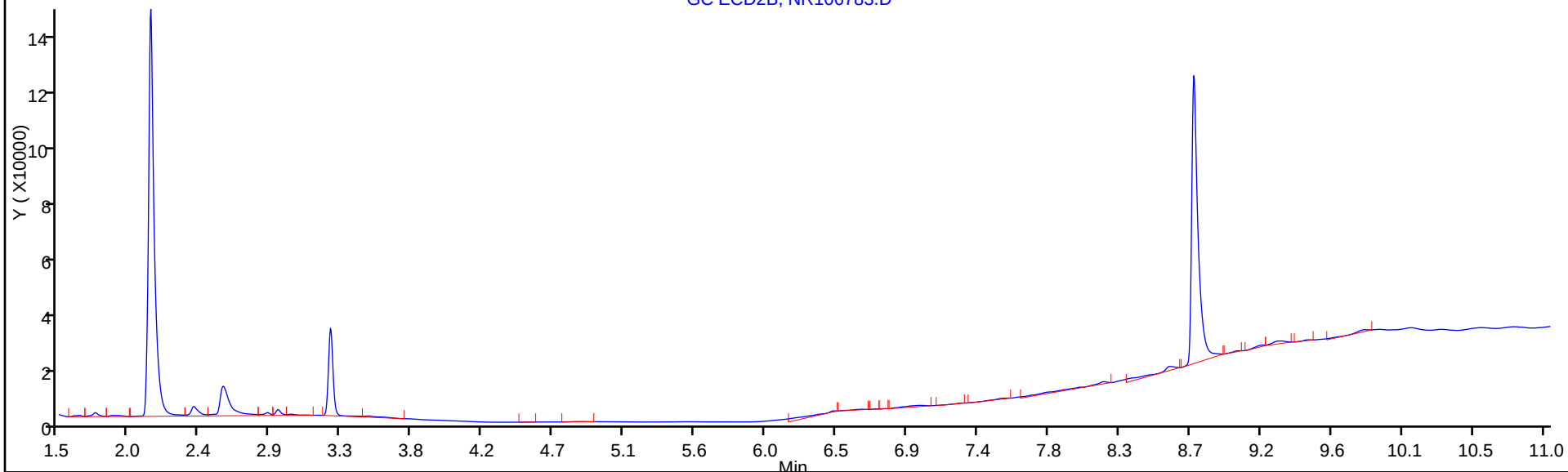
Method: 608GC6

Limit Group: GC 608 ICAL

GC ECD1A, NR106783.D



GC ECD2B, NR106783.D



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-253274/1-A
 Matrix: Water Lab File ID: NR106783.D
 Analysis Method: 608 Date Collected: _____
 Extraction Method: 608 Date Extracted: 10/02/2014 13:00
 Sample wt/vol: 1000(mL) Date Analyzed: 10/03/2014 08:59
 Con. Extract Vol.: 0.5(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 253466 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11104-28-2	PCB-1221	0.024	U	0.050	0.024
11141-16-5	PCB-1232	0.028	U	0.050	0.028
12674-11-2	PCB-1016	0.017	U	0.050	0.017
53469-21-9	PCB-1242	0.031	U	0.050	0.031
12672-29-6	PCB-1248	0.017	U	0.050	0.017
11097-69-1	PCB-1254	0.017	U	0.050	0.017
11096-82-5	PCB-1260	0.012	U	0.050	0.012
37324-23-5	PCB-1262	0.017	U	0.050	0.017
11100-14-4	PCB-1268	0.022	U	0.050	0.022
1336-36-3	Polychlorinated biphenyls, Total	0.012	U	0.050	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	53		15-150
2051-24-3	DCB Decachlorobiphenyl	44		17-143

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106783.D
 Lims ID: MB 460-253274/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 03-Oct-2014 08:59:57 ALS Bottle#: 63 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 03-Oct-2014 14:41:41 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: foleysont

Date: 03-Oct-2014 14:37:05

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

\$ 4 Tetrachloro-m-xylene

1	2.363	2.363	0.000	84020	200.0	116.2	
2	2.087	2.090	-0.003	338876	200.0	105.6	
						RPD = 9.55	

\$ 24 DCB Decachlorobiphenyl

1	9.633	9.623	0.010	76096	200.0	91.4	
2	8.727	8.727	0.000	262464	200.0	88.8	
						RPD = 2.89	

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106783.D

Injection Date: 03-Oct-2014 08:59:57

Instrument ID: CPESTGC6

Operator ID:

Lims ID: MB 460-253274/1-A

Worklist Smp#: 9

Client ID:

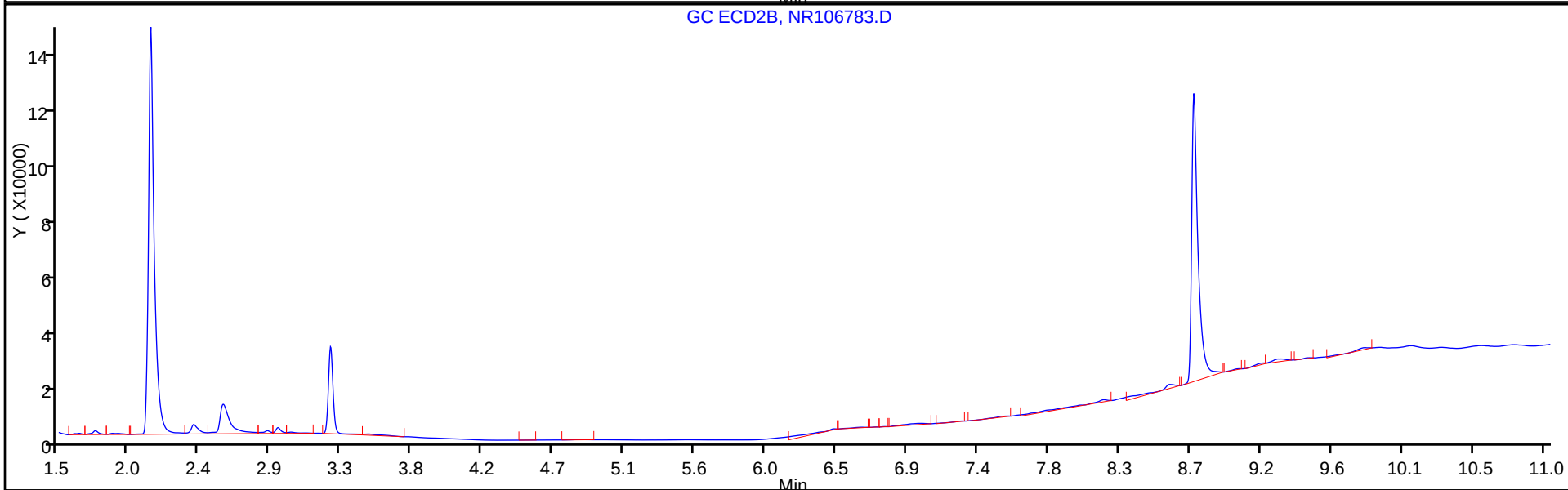
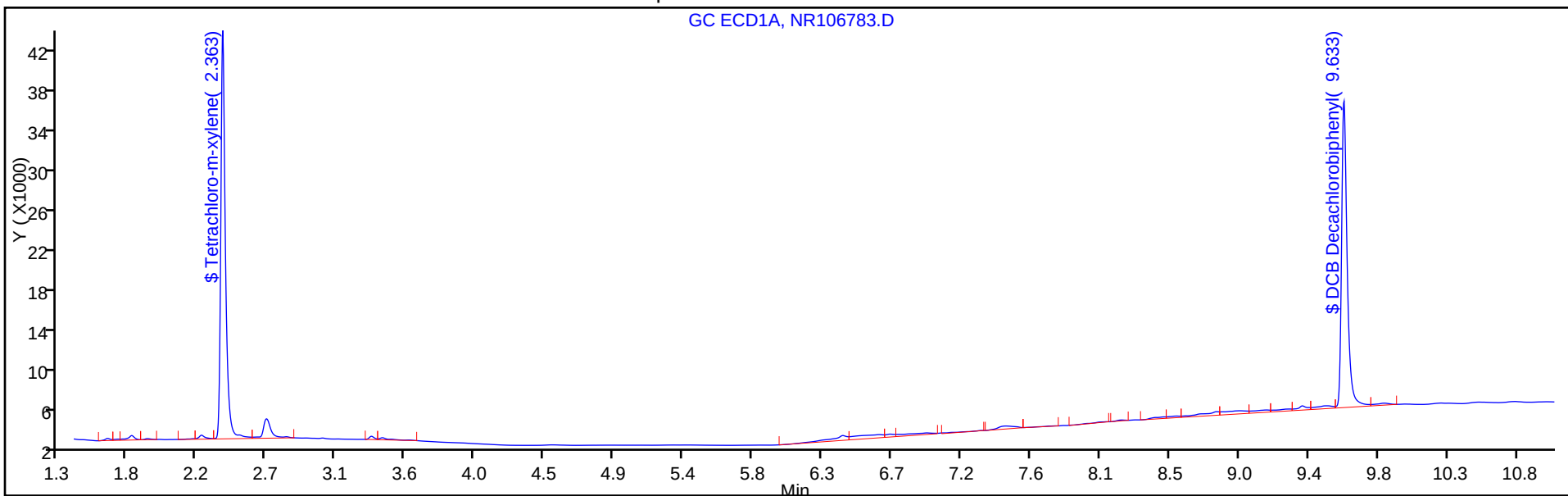
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 63

Method: 608GC6

Limit Group: GC 608 ICAL



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 460-253274/2-A
Matrix: Water Lab File ID: NR106784.D
Analysis Method: 608 Date Collected: _____
Extraction Method: 608 Date Extracted: 10/02/2014 13:00
Sample wt/vol: 1000 (mL) Date Analyzed: 10/03/2014 09:14
Con. Extract Vol.: 0.5 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 253466 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.870		0.050	0.017
11096-82-5	PCB-1260	0.808		0.050	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	88		15-150
2051-24-3	DCB Decachlorobiphenyl	71		17-143

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHRON\ChromData\CPESTGC6\20141003-18866.b\NR106784.D
 Lims ID: LCS 460-253274/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 03-Oct-2014 09:14:14 ALS Bottle#: 64 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Method: \\EDICHRON\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 05-Oct-2014 17:25:58 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHRON\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: foleysont Date: 05-Oct-2014 17:25:58

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

\$ 4 Tetrachloro-m-xylene M

1	2.363	2.363	0.000	127182	200.0	175.9	M
2	2.087	2.090	-0.003	513769	200.0	160.1	

RPD = 9.40

33 PCB-1016

1	2.740	2.740	0.000	30125	2000.0	1892.2	
1	3.090	3.093	-0.003	49932	2000.0	1760.1	
1	3.563	3.563	0.000	92788	2000.0	1721.8	
1	3.753	3.757	-0.004	42895	2000.0	1756.3	
1	3.927	3.927	0.000	27412	2000.0	1566.9	M

Average of Peak Amounts = 1739.5

2	2.330	2.337	-0.007	136071	2000.0	1736.2	M
2	0.000	2.580	-2.580	0	2000.0	0	E
2	2.717	2.723	-0.006	140334	2000.0	1574.0	M
2	3.033	3.037	-0.004	147316	2000.0	1578.3	M
2	3.083	3.090	-0.007	125898	2000.0	1579.6	M

Average of Peak Amounts = 1617.0

RPD = 7.30

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106784.D

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

41 PCB-1260

M

1	7.027	7.027	0.000	53083	2000.0	1592.2	
1	7.230	7.233	-0.003	58432	2000.0	1597.1	
1	7.593	7.593	0.000	82309	2000.0	1607.3	
1	7.967	7.967	0.000	48407	2000.0	1661.3	
1	9.037	9.033	0.004	38263	2000.0	1620.7	

Average of Peak Amounts =

1615.7

2	6.280	6.297	-0.017	235531	2000.0	1561.2	M
2	6.860	6.873	-0.013	342136	2000.0	1490.3	M
2	6.967	6.977	-0.010	185148	2000.0	1477.0	M
2	7.207	7.220	-0.013	172624	2000.0	1467.8	M
2	7.763	7.773	-0.010	285051	2000.0	1385.6	M

Average of Peak Amounts =

1476.4

RPD = 9.01

\$ 24 DCB Decachlorobiphenyl

1	9.627	9.623	0.004	116812	200.0	142.8	
2	8.723	8.727	-0.004	410691	200.0	138.9	

RPD = 2.78

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106784.D

Injection Date: 03-Oct-2014 09:14:14

Instrument ID: CPESTGC6

Operator ID:

Lims ID: LCS 460-253274/2-A

Worklist Smp#: 10

Client ID:

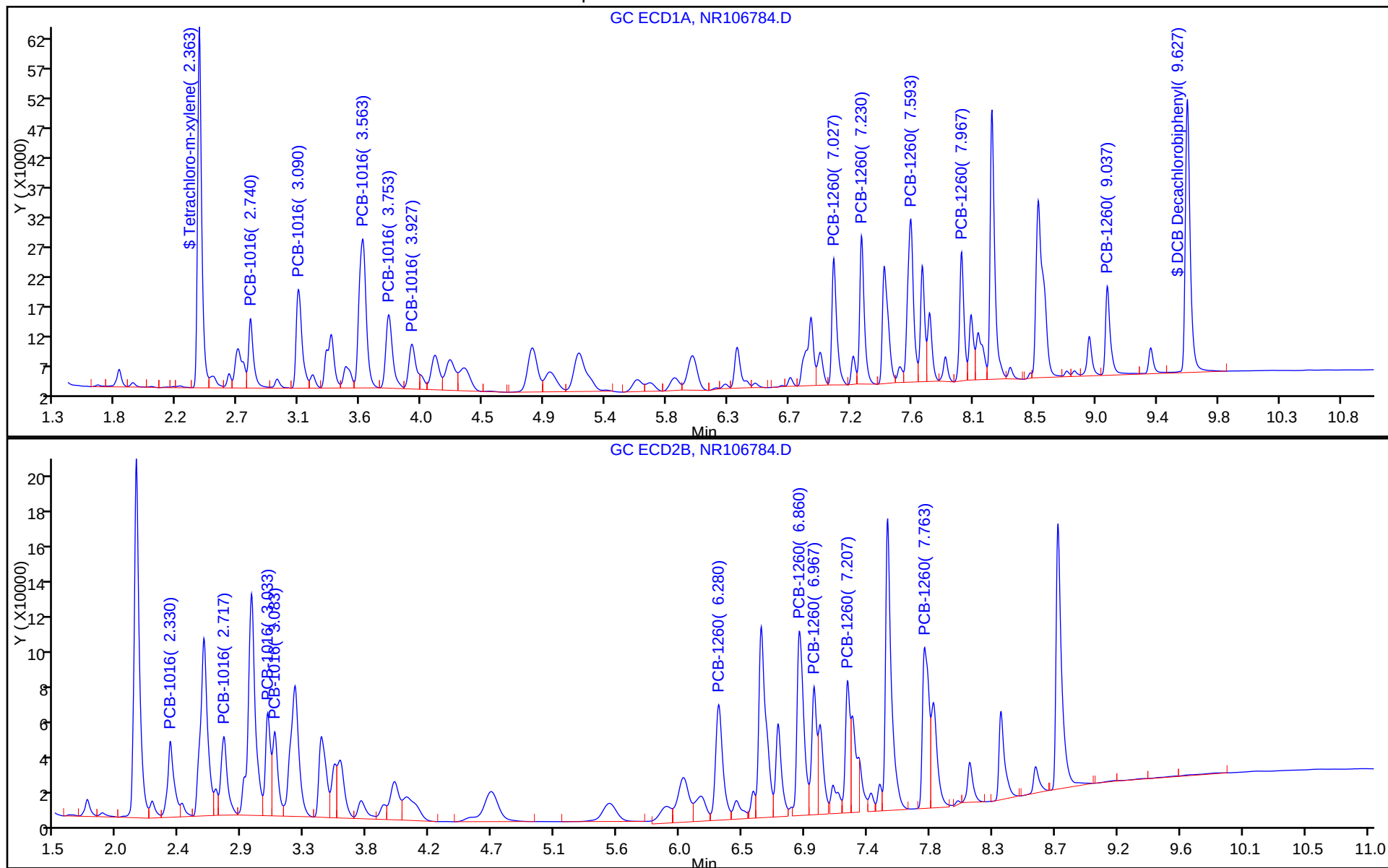
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 64

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106784.D

Injection Date: 03-Oct-2014 09:14:14

Instrument ID: CPESTGC6

Lims ID: LCS 460-253274/2-A

Client ID:

Operator ID:

ALS Bottle#:

64

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 608GC6

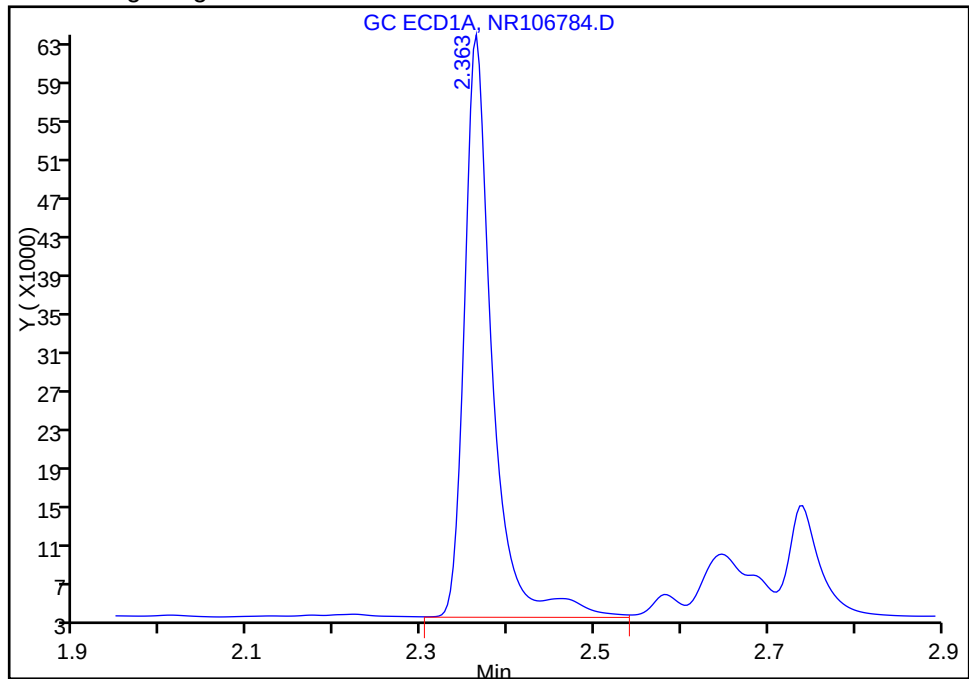
Limit Group: GC 608 ICAL

Column:

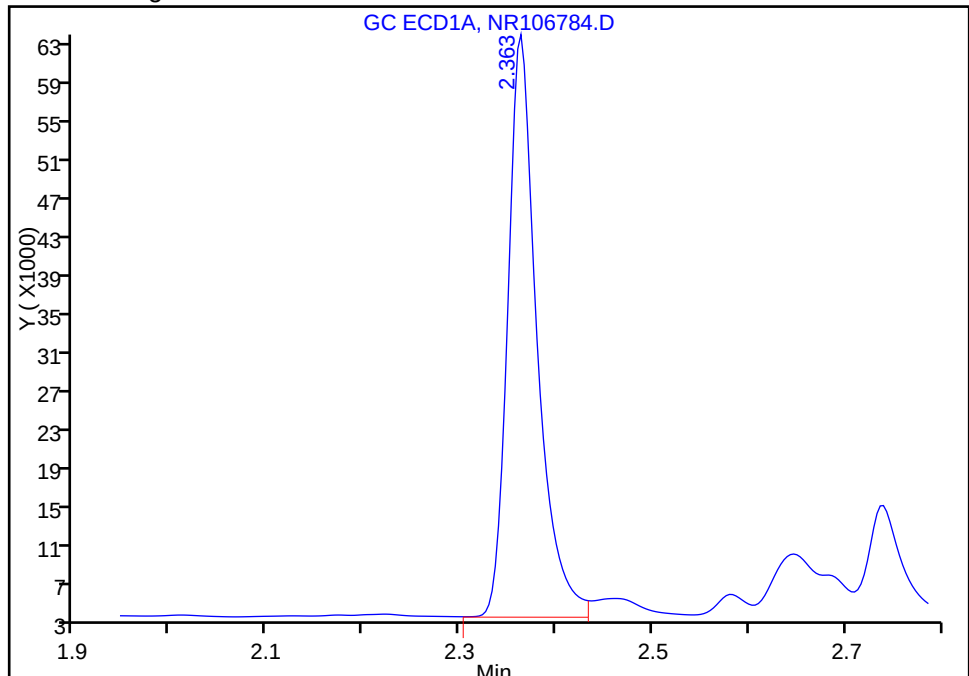
Detector GC ECD1A

\$ 4 Tetrachloro-m-xylene, CAS: 877-09-8

Processing Integration Results

RT: 2.36
Response: 134450
Amount: 185.9234

Manual Integration Results

RT: 2.36
Response: 127182
Amount: 175.8729

Reviewer: foleysont, 03-Oct-2014 14:38:23

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-253274/2-A
 Matrix: Water Lab File ID: NR106784.D
 Analysis Method: 608 Date Collected: _____
 Extraction Method: 608 Date Extracted: 10/02/2014 13:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 10/03/2014 09:14
 Con. Extract Vol.: 0.5 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 253466 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.809		0.050	0.017
11096-82-5	PCB-1260	0.738		0.050	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	80		15-150
2051-24-3	DCB Decachlorobiphenyl	69		17-143

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106784.D
 Lims ID: LCS 460-253274/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 03-Oct-2014 09:14:14 ALS Bottle#: 64 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 05-Oct-2014 17:25:58 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: foleysont Date: 05-Oct-2014 17:25:58

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

\$ 4 Tetrachloro-m-xylene M

1	2.363	2.363	0.000	127182	200.0	175.9	M
2	2.087	2.090	-0.003	513769	200.0	160.1	

RPD = 9.40

33 PCB-1016

1	2.740	2.740	0.000	30125	2000.0	1892.2	
1	3.090	3.093	-0.003	49932	2000.0	1760.1	
1	3.563	3.563	0.000	92788	2000.0	1721.8	
1	3.753	3.757	-0.004	42895	2000.0	1756.3	
1	3.927	3.927	0.000	27412	2000.0	1566.9	M

Average of Peak Amounts = 1739.5

2	2.330	2.337	-0.007	136071	2000.0	1736.2	M
2	0.000	2.580	-2.580	0	2000.0	0	E
2	2.717	2.723	-0.006	140334	2000.0	1574.0	M
2	3.033	3.037	-0.004	147316	2000.0	1578.3	M
2	3.083	3.090	-0.007	125898	2000.0	1579.6	M

Average of Peak Amounts = 1617.0

RPD = 7.30

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106784.D

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

41 PCB-1260

M

1	7.027	7.027	0.000	53083	2000.0	1592.2	
1	7.230	7.233	-0.003	58432	2000.0	1597.1	
1	7.593	7.593	0.000	82309	2000.0	1607.3	
1	7.967	7.967	0.000	48407	2000.0	1661.3	
1	9.037	9.033	0.004	38263	2000.0	1620.7	

Average of Peak Amounts =

1615.7

2	6.280	6.297	-0.017	235531	2000.0	1561.2	M
2	6.860	6.873	-0.013	342136	2000.0	1490.3	M
2	6.967	6.977	-0.010	185148	2000.0	1477.0	M
2	7.207	7.220	-0.013	172624	2000.0	1467.8	M
2	7.763	7.773	-0.010	285051	2000.0	1385.6	M

Average of Peak Amounts =

1476.4

RPD = 9.01

\$ 24 DCB Decachlorobiphenyl

1	9.627	9.623	0.004	116812	200.0	142.8	
2	8.723	8.727	-0.004	410691	200.0	138.9	

RPD = 2.78

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106784.D

Injection Date: 03-Oct-2014 09:14:14

Instrument ID: CPESTGC6

Operator ID:

Lims ID: LCS 460-253274/2-A

Worklist Smp#: 10

Client ID:

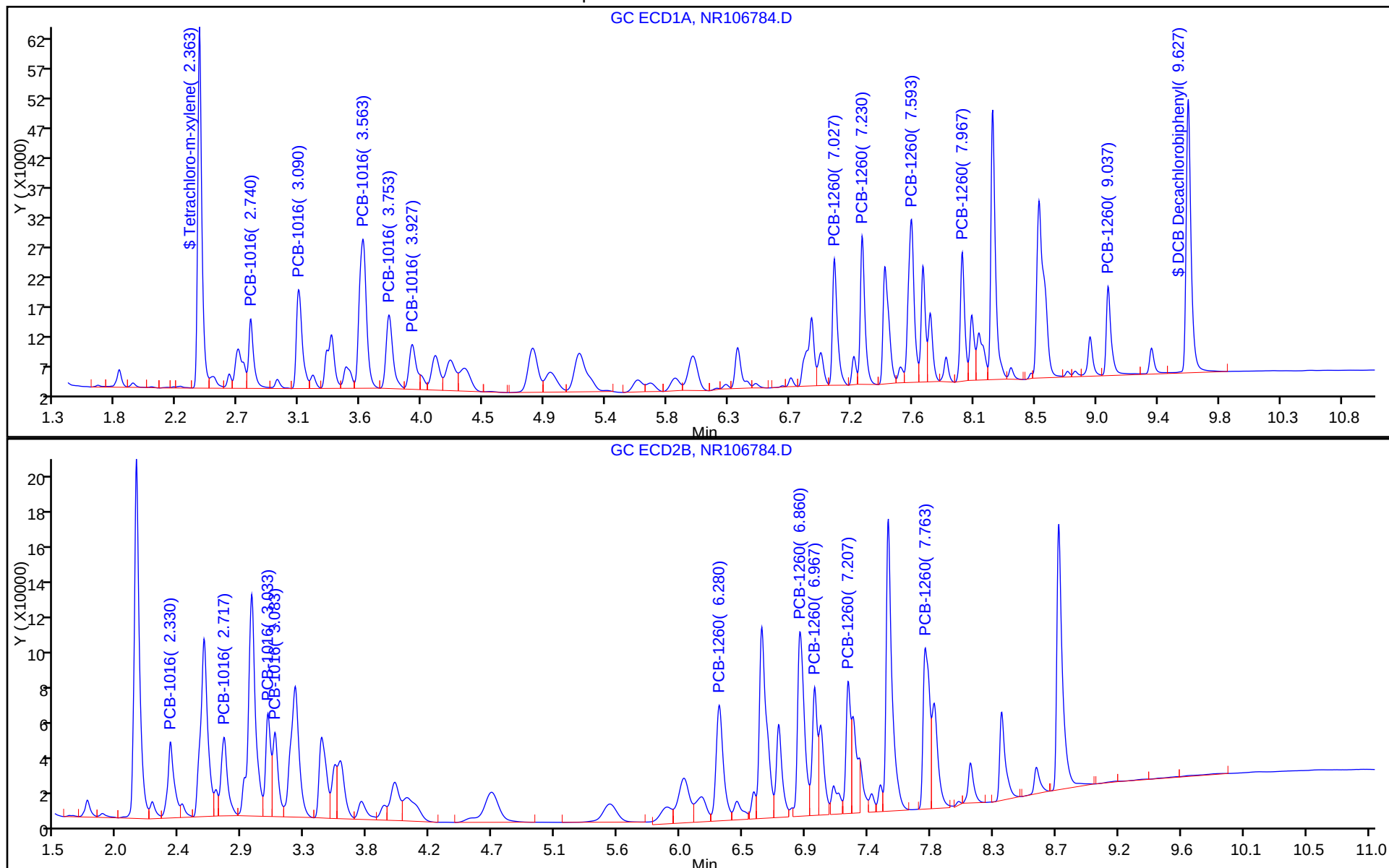
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 64

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106784.D

Injection Date: 03-Oct-2014 09:14:14

Instrument ID: CPESTGC6

Lims ID: LCS 460-253274/2-A

Client ID:

Operator ID:

ALS Bottle#:

64

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

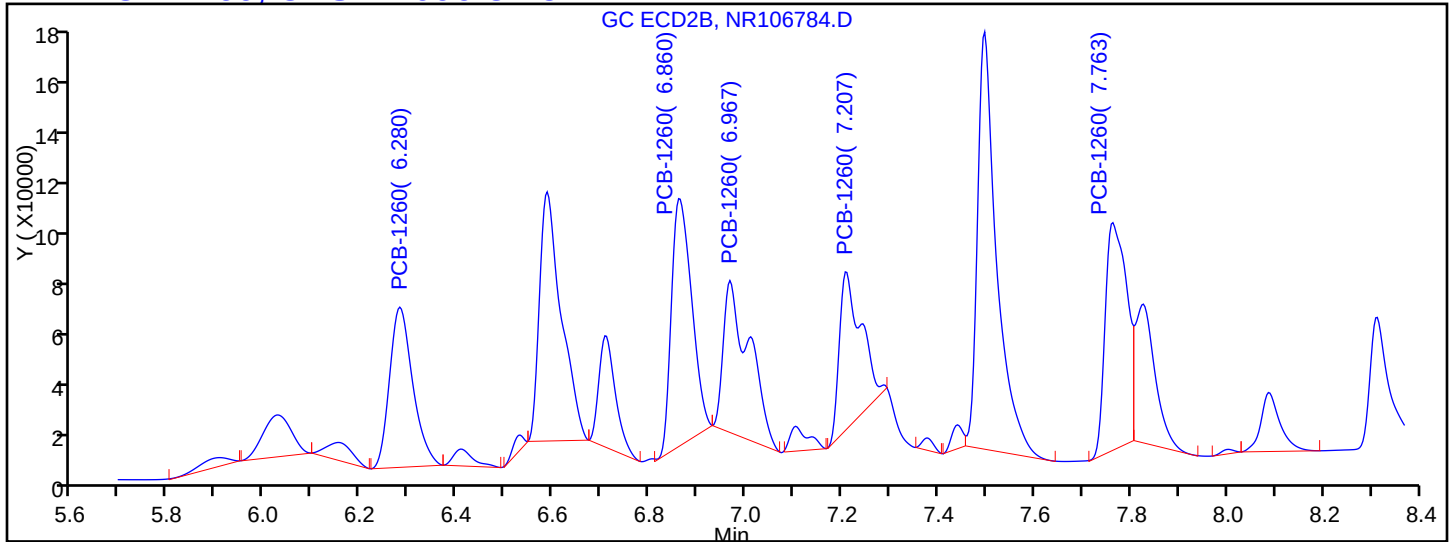
Limit Group:

GC 608 ICAL

Column:

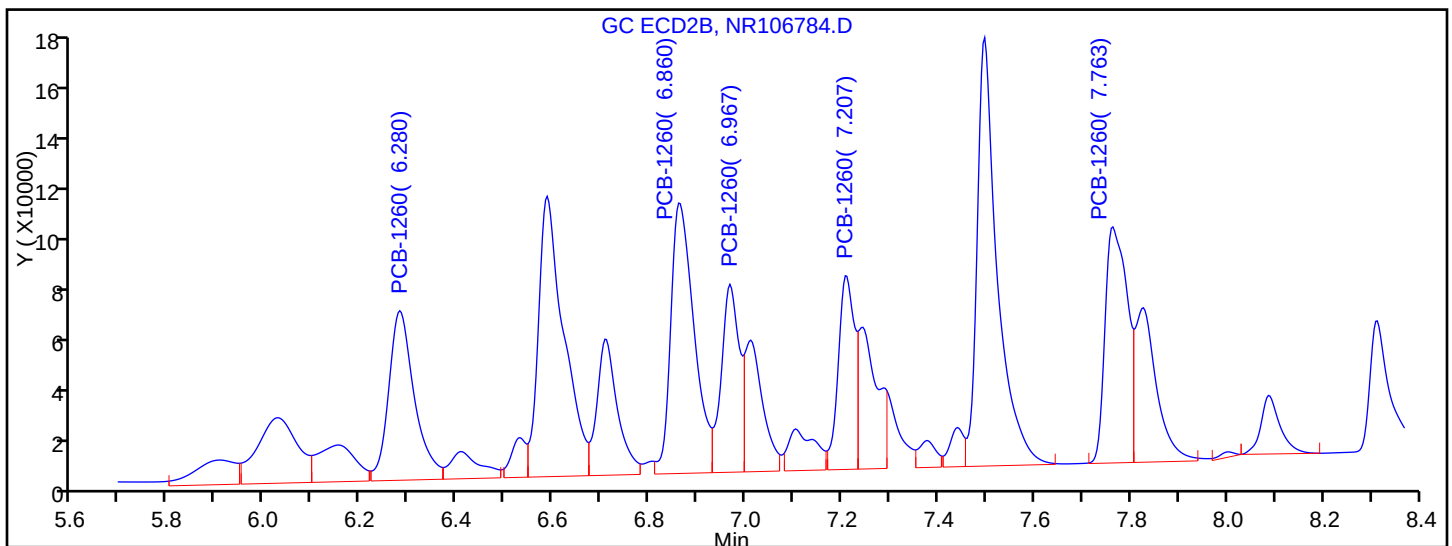
Detector

GC ECD2B

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 6.280	Response = 199446	M
RT = 6.860	Response = 268822	M
RT = 6.967	Response = 213594	M
RT = 7.207	Response = 180794	M
RT = 7.763	Response = 265176	M



Manual Integration Results

RT = 6.280	Response = 235531	M
RT = 6.860	Response = 342136	M
RT = 6.967	Response = 185148	M
RT = 7.207	Response = 172624	M
RT = 7.763	Response = 285051	M

Reviewer: foleysont, 03-Oct-2014 14:38:23

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-253274/3-A
 Matrix: Water Lab File ID: NR106785.D
 Analysis Method: 608 Date Collected: _____
 Extraction Method: 608 Date Extracted: 10/02/2014 13:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 10/03/2014 09:28
 Con. Extract Vol.: 0.5 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 253466 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.920		0.050	0.017
11096-82-5	PCB-1260	0.862		0.050	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	95		15-150
2051-24-3	DCB Decachlorobiphenyl	76		17-143

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106785.D
 Lims ID: LCSD 460-253274/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 03-Oct-2014 09:28:32 ALS Bottle#: 65 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 05-Oct-2014 17:26:10 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: foleysont

Date: 03-Oct-2014 14:39:09

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

\$ 4 Tetrachloro-m-xylene

1	2.363	2.363	0.000	137218	200.0	189.8	
2	2.087	2.090	-0.003	552988	200.0	172.3	
						RPD = 9.64	

33 PCB-1016

1	2.740	2.740	0.000	30634	2000.0	1924.2	
1	3.090	3.093	-0.003	53345	2000.0	1880.4	
1	3.563	3.563	0.000	100138	2000.0	1858.2	
1	3.753	3.757	-0.004	46260	2000.0	1894.1	
1	3.927	3.927	0.000	28758	2000.0	1643.9	M
Average of Peak Amounts =						1840.2	
2	2.333	2.337	-0.004	143342	2000.0	1829.0	M
2	0.000	2.580	-2.580	0	2000.0	0	E
2	2.717	2.723	-0.006	161681	2000.0	1813.4	
2	3.033	3.037	-0.004	162451	2000.0	1740.5	
2	3.083	3.090	-0.007	138923	2000.0	1743.0	
Average of Peak Amounts =						1781.5	
						RPD = 3.24	

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106785.D

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

41 PCB-1260

M

1	7.027	7.027	0.000	57382	2000.0	1721.2	
1	7.230	7.233	-0.003	63340	2000.0	1731.3	
1	7.593	7.593	0.000	89080	2000.0	1739.6	
1	7.967	7.967	0.000	52327	2000.0	1795.8	
1	9.040	9.033	0.007	38454	2000.0	1628.8	

Average of Peak Amounts =

1723.3

2	6.280	6.297	-0.017	254246	2000.0	1685.2	M
2	6.860	6.873	-0.013	373346	2000.0	1626.2	M
2	6.967	6.977	-0.010	191105	2000.0	1524.5	M
2	7.207	7.220	-0.013	188483	2000.0	1602.7	M
2	7.763	7.773	-0.010	309744	2000.0	1505.7	M

Average of Peak Amounts =

1588.9

RPD = 8.12

\$ 24 DCB Decachlorobiphenyl

1	9.627	9.623	0.004	124550	200.0	152.6	
2	8.723	8.727	-0.004	434150	200.0	146.8	

RPD = 3.84

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106785.D

Injection Date: 03-Oct-2014 09:28:32

Instrument ID: CPESTGC6

Operator ID:

Lims ID: LCSD 460-253274/3-A

Worklist Smp#: 11

Client ID:

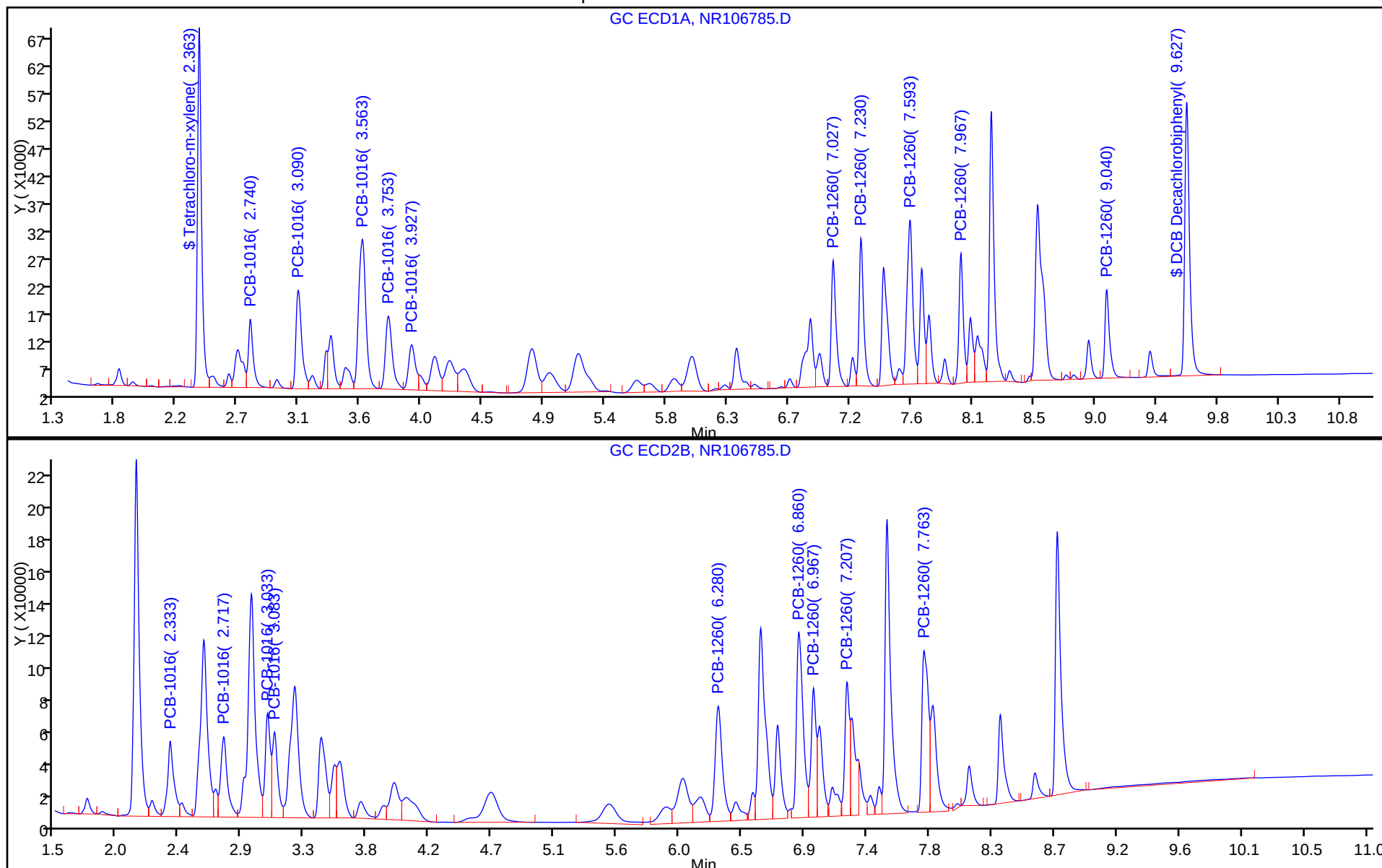
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 65

Method: 608GC6

Limit Group: GC 608 ICAL



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 460-253274/3-A
 Matrix: Water Lab File ID: NR106785.D
 Analysis Method: 608 Date Collected: _____
 Extraction Method: 608 Date Extracted: 10/02/2014 13:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 10/03/2014 09:28
 Con. Extract Vol.: 0.5 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-1 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 253466 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	0.891		0.050	0.017
11096-82-5	PCB-1260	0.794		0.050	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene (Surr)	86		15-150
2051-24-3	DCB Decachlorobiphenyl	73		17-143

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106785.D
 Lims ID: LCSD 460-253274/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 03-Oct-2014 09:28:32 ALS Bottle#: 65 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC6
 Method: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\608GC6.m
 Limit Group: GC 608 ICAL
 Last Update: 05-Oct-2014 17:26:10 Calib Date: 11-Sep-2014 03:27:05
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\EDICHROM\ChromData\CPESTGC6\20140911-17932.b\NR106664.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK027

First Level Reviewer: foleysont

Date: 03-Oct-2014 14:39:09

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

\$ 4 Tetrachloro-m-xylene

1	2.363	2.363	0.000	137218	200.0	189.8	
2	2.087	2.090	-0.003	552988	200.0	172.3	
						RPD = 9.64	

33 PCB-1016

1	2.740	2.740	0.000	30634	2000.0	1924.2	
1	3.090	3.093	-0.003	53345	2000.0	1880.4	
1	3.563	3.563	0.000	100138	2000.0	1858.2	
1	3.753	3.757	-0.004	46260	2000.0	1894.1	
1	3.927	3.927	0.000	28758	2000.0	1643.9	M
Average of Peak Amounts =						1840.2	
2	2.333	2.337	-0.004	143342	2000.0	1829.0	M
2	0.000	2.580	-2.580	0	2000.0	0	E
2	2.717	2.723	-0.006	161681	2000.0	1813.4	
2	3.033	3.037	-0.004	162451	2000.0	1740.5	
2	3.083	3.090	-0.007	138923	2000.0	1743.0	
Average of Peak Amounts =						1781.5	
						RPD = 3.24	

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106785.D

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

41 PCB-1260

M

1	7.027	7.027	0.000	57382	2000.0	1721.2	
1	7.230	7.233	-0.003	63340	2000.0	1731.3	
1	7.593	7.593	0.000	89080	2000.0	1739.6	
1	7.967	7.967	0.000	52327	2000.0	1795.8	
1	9.040	9.033	0.007	38454	2000.0	1628.8	

Average of Peak Amounts =

1723.3

2	6.280	6.297	-0.017	254246	2000.0	1685.2	M
2	6.860	6.873	-0.013	373346	2000.0	1626.2	M
2	6.967	6.977	-0.010	191105	2000.0	1524.5	M
2	7.207	7.220	-0.013	188483	2000.0	1602.7	M
2	7.763	7.773	-0.010	309744	2000.0	1505.7	M

Average of Peak Amounts =

1588.9

RPD = 8.12

\$ 24 DCB Decachlorobiphenyl

1	9.627	9.623	0.004	124550	200.0	152.6	
2	8.723	8.727	-0.004	434150	200.0	146.8	

RPD = 3.84

QC Flag Legend

Review Flags

M - Manually Integrated

TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106785.D

Injection Date: 03-Oct-2014 09:28:32

Instrument ID: CPESTGC6

Operator ID:

Lims ID: LCSD 460-253274/3-A

Worklist Smp#: 11

Client ID:

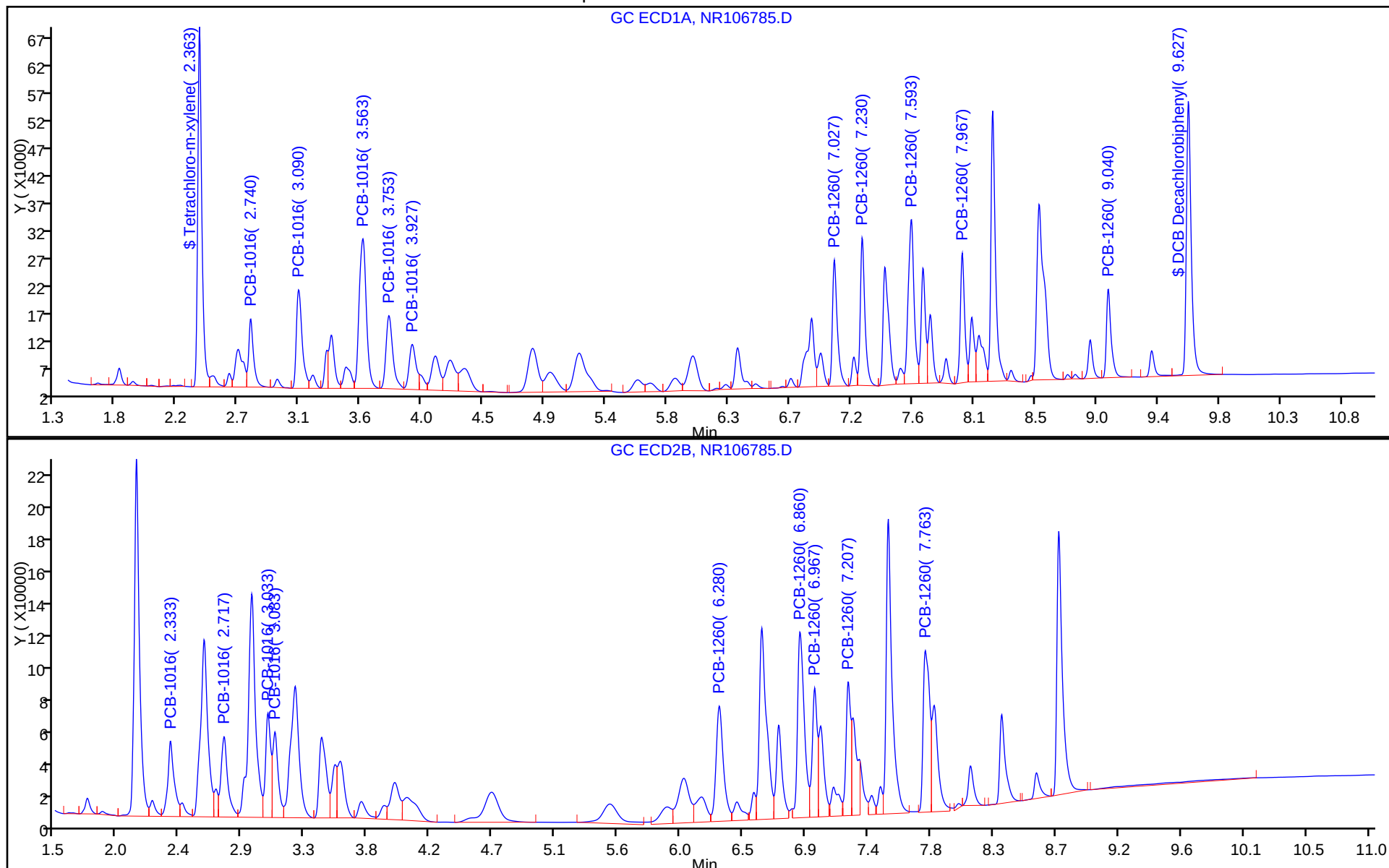
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 65

Method: 608GC6

Limit Group: GC 608 ICAL



TestAmerica Edison

Data File: \\EDICHROM\ChromData\CPESTGC6\20141003-18866.b\NR106785.D

Injection Date: 03-Oct-2014 09:28:32

Instrument ID: CPESTGC6

Lims ID: LCSD 460-253274/3-A

Client ID:

Operator ID:

ALS Bottle#:

65

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 608GC6

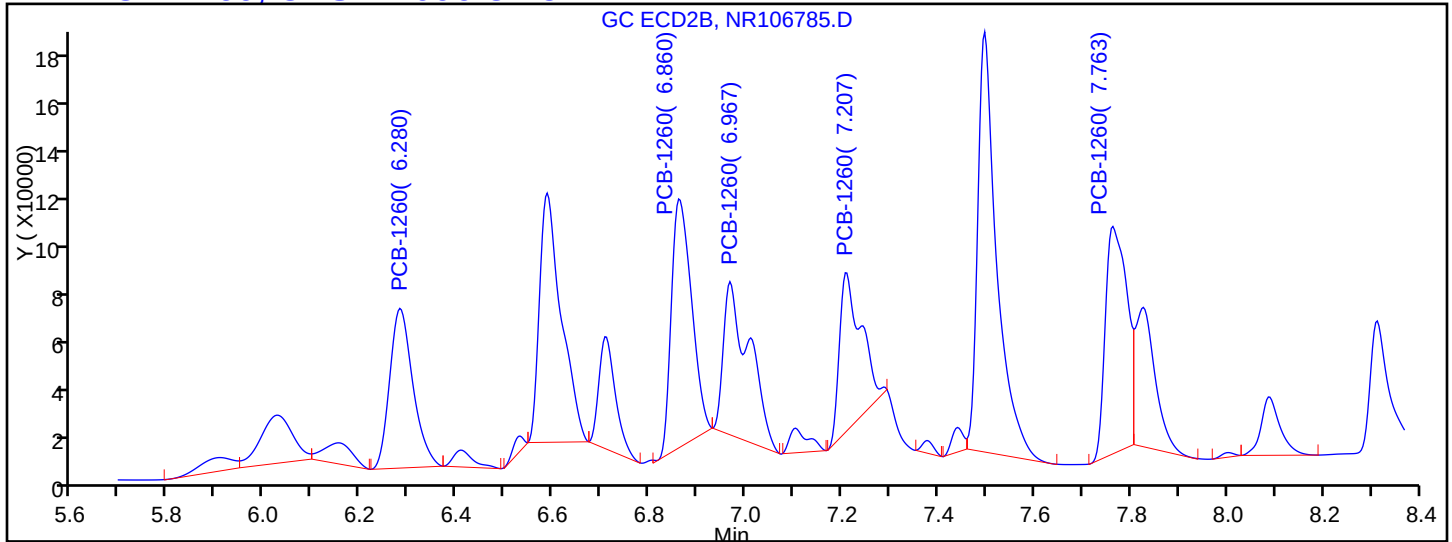
Limit Group:

GC 608 ICAL

Column:

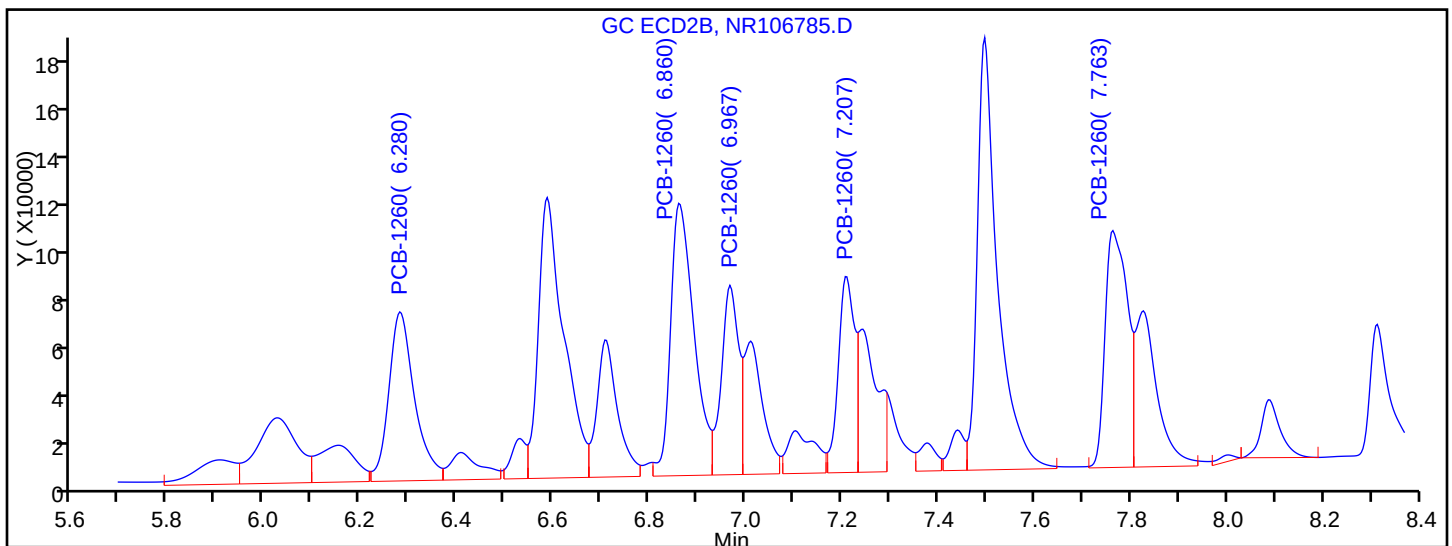
Detector

GC ECD2B

41 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 6.280	Response = 215042	M
RT = 6.860	Response = 290977	M
RT = 6.967	Response = 231165	M
RT = 7.207	Response = 195128	M
RT = 7.763	Response = 285742	M



Manual Integration Results

RT = 6.280	Response = 254246	M
RT = 6.860	Response = 373346	M
RT = 6.967	Response = 191105	M
RT = 7.207	Response = 188483	M
RT = 7.763	Response = 309744	M

Reviewer: foleysont, 03-Oct-2014 14:39:09

Audit Action: Assigned New Baseline

Page 736 of 1090

10/30/2014

Audit Reason: Wrong Peak

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-83615-1

SDG No.: _____

Instrument ID: CPESTGC6Start Date: 08/29/2013 17:30Analysis Batch Number: 178893End Date: 08/29/2013 23:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-178893/1		08/29/2013 17:30	1		CLP-2 0.53 (mm)
PIBLK 460-178893/1		08/29/2013 17:30	1		CLP-1 0.53 (mm)
PEM 460-178893/2		08/29/2013 17:44	1		CLP-2 0.53 (mm)
PEM 460-178893/2		08/29/2013 17:44	1		CLP-1 0.53 (mm)
IC 460-178893/3		08/29/2013 18:01	1		CLP-2 0.53 (mm)
IC 460-178893/3		08/29/2013 18:01	1		CLP-1 0.53 (mm)
IC 460-178893/4		08/29/2013 18:15	1		CLP-2 0.53 (mm)
IC 460-178893/4		08/29/2013 18:15	1		CLP-1 0.53 (mm)
IC 460-178893/5		08/29/2013 18:29	1		CLP-2 0.53 (mm)
IC 460-178893/5		08/29/2013 18:29	1		CLP-1 0.53 (mm)
IC 460-178893/6		08/29/2013 18:43	1		CLP-2 0.53 (mm)
IC 460-178893/6		08/29/2013 18:43	1		CLP-1 0.53 (mm)
IC 460-178893/7		08/29/2013 18:57	1		CLP-2 0.53 (mm)
IC 460-178893/7		08/29/2013 18:57	1		CLP-1 0.53 (mm)
IC 460-178893/8		08/29/2013 19:11	1	NR103436.D	CLP-2 0.53 (mm)
IC 460-178893/8		08/29/2013 19:11	1	NR103436.D	CLP-1 0.53 (mm)
IC 460-178893/9		08/29/2013 19:25	1	NR103437.D	CLP-2 0.53 (mm)
IC 460-178893/9		08/29/2013 19:25	1	NR103437.D	CLP-1 0.53 (mm)
IC 460-178893/10		08/29/2013 19:38	1	NR103438.D	CLP-2 0.53 (mm)
IC 460-178893/10		08/29/2013 19:38	1	NR103438.D	CLP-1 0.53 (mm)
IC 460-178893/11		08/29/2013 19:52	1	NR103439.D	CLP-2 0.53 (mm)
IC 460-178893/11		08/29/2013 19:52	1	NR103439.D	CLP-1 0.53 (mm)
IC 460-178893/12		08/29/2013 20:07	1	NR103440.D	CLP-2 0.53 (mm)
IC 460-178893/12		08/29/2013 20:07	1	NR103440.D	CLP-1 0.53 (mm)
IC 460-178893/13		08/29/2013 20:21	1		CLP-2 0.53 (mm)
IC 460-178893/13		08/29/2013 20:21	1		CLP-1 0.53 (mm)
IC 460-178893/14		08/29/2013 20:35	1		CLP-2 0.53 (mm)
IC 460-178893/14		08/29/2013 20:35	1		CLP-1 0.53 (mm)
IC 460-178893/15		08/29/2013 20:50	1		CLP-2 0.53 (mm)
IC 460-178893/15		08/29/2013 20:50	1		CLP-1 0.53 (mm)
IC 460-178893/16		08/29/2013 21:04	1		CLP-2 0.53 (mm)
IC 460-178893/16		08/29/2013 21:04	1		CLP-1 0.53 (mm)
IC 460-178893/17		08/29/2013 21:18	1		CLP-2 0.53 (mm)
IC 460-178893/17		08/29/2013 21:18	1		CLP-1 0.53 (mm)
IC 460-178893/18		08/29/2013 21:32	1	NR103446.D	CLP-2 0.53 (mm)
IC 460-178893/18		08/29/2013 21:32	1	NR103446.D	CLP-1 0.53 (mm)
IC 460-178893/19		08/29/2013 21:46	1	NR103447.D	CLP-2 0.53 (mm)
IC 460-178893/19		08/29/2013 21:46	1	NR103447.D	CLP-1 0.53 (mm)
IC 460-178893/20		08/29/2013 22:01	1	NR103448.D	CLP-2 0.53 (mm)
IC 460-178893/20		08/29/2013 22:01	1	NR103448.D	CLP-1 0.53 (mm)
IC 460-178893/21		08/29/2013 22:14	1	NR103449.D	CLP-2 0.53 (mm)
IC 460-178893/21		08/29/2013 22:14	1	NR103449.D	CLP-1 0.53 (mm)
IC 460-178893/22		08/29/2013 22:28	1	NR103450.D	CLP-2 0.53 (mm)
IC 460-178893/22		08/29/2013 22:28	1	NR103450.D	CLP-1 0.53 (mm)
IC 460-178893/23		08/29/2013 22:43	1	NR103451.D	CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: CPESTGC6 Start Date: 08/29/2013 17:30Analysis Batch Number: 178893 End Date: 08/29/2013 23:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 460-178893/23		08/29/2013 22:43	1	NR103451.D	CLP-1 0.53 (mm)
IC 460-178893/24		08/29/2013 22:57	1	NR103452.D	CLP-2 0.53 (mm)
IC 460-178893/24		08/29/2013 22:57	1	NR103452.D	CLP-1 0.53 (mm)
IC 460-178893/25		08/29/2013 23:11	1	NR103453.D	CLP-2 0.53 (mm)
IC 460-178893/25		08/29/2013 23:11	1	NR103453.D	CLP-1 0.53 (mm)
IC 460-178893/26		08/29/2013 23:25	1	NR103454.D	CLP-2 0.53 (mm)
IC 460-178893/26		08/29/2013 23:25	1	NR103454.D	CLP-1 0.53 (mm)
IC 460-178893/27		08/29/2013 23:40	1	NR103455.D	CLP-2 0.53 (mm)
IC 460-178893/27		08/29/2013 23:40	1	NR103455.D	CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: CPESTGC6 Start Date: 09/05/2013 14:07

Analysis Batch Number: 179853 End Date: 09/05/2013 18:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-179853/1		09/05/2013 14:07	1		CLP-2 0.53 (mm)
PIBLK 460-179853/1		09/05/2013 14:07	1		CLP-1 0.53 (mm)
PEM 460-179853/2		09/05/2013 14:22	1		CLP-2 0.53 (mm)
PEM 460-179853/2		09/05/2013 14:22	1		CLP-1 0.53 (mm)
IC 460-179853/3		09/05/2013 14:36	1		CLP-2 0.53 (mm)
IC 460-179853/3		09/05/2013 14:36	1		CLP-1 0.53 (mm)
IC 460-179853/4		09/05/2013 14:50	1		CLP-2 0.53 (mm)
IC 460-179853/4		09/05/2013 14:50	1		CLP-1 0.53 (mm)
IC 460-179853/5		09/05/2013 15:04	1		CLP-2 0.53 (mm)
IC 460-179853/5		09/05/2013 15:04	1		CLP-1 0.53 (mm)
IC 460-179853/6		09/05/2013 15:18	1		CLP-2 0.53 (mm)
IC 460-179853/6		09/05/2013 15:18	1		CLP-1 0.53 (mm)
IC 460-179853/7		09/05/2013 15:32	1		CLP-2 0.53 (mm)
IC 460-179853/7		09/05/2013 15:32	1		CLP-1 0.53 (mm)
ICV 460-179853/8		09/05/2013 15:53	1		CLP-2 0.53 (mm)
ICV 460-179853/8		09/05/2013 15:53	1		CLP-1 0.53 (mm)
IC 460-179853/10		09/05/2013 16:21	1	NR103548.D	CLP-2 0.53 (mm)
IC 460-179853/10		09/05/2013 16:21	1	NR103548.D	CLP-1 0.53 (mm)
IC 460-179853/11		09/05/2013 16:34	1	NR103549.D	CLP-2 0.53 (mm)
IC 460-179853/11		09/05/2013 16:34	1	NR103549.D	CLP-1 0.53 (mm)
IC 460-179853/12		09/05/2013 16:48	1	NR103550.D	CLP-2 0.53 (mm)
IC 460-179853/12		09/05/2013 16:48	1	NR103550.D	CLP-1 0.53 (mm)
IC 460-179853/13		09/05/2013 17:02	1	NR103551.D	CLP-2 0.53 (mm)
IC 460-179853/13		09/05/2013 17:02	1	NR103551.D	CLP-1 0.53 (mm)
IC 460-179853/14		09/05/2013 17:15	1	NR103552.D	CLP-2 0.53 (mm)
IC 460-179853/14		09/05/2013 17:15	1	NR103552.D	CLP-1 0.53 (mm)
IC 460-179853/15		09/05/2013 17:29	1	NR103553.D	CLP-2 0.53 (mm)
IC 460-179853/15		09/05/2013 17:29	1	NR103553.D	CLP-1 0.53 (mm)
IC 460-179853/16		09/05/2013 17:43	1	NR103554.D	CLP-2 0.53 (mm)
IC 460-179853/16		09/05/2013 17:43	1	NR103554.D	CLP-1 0.53 (mm)
IC 460-179853/17		09/05/2013 17:57	1	NR103555.D	CLP-2 0.53 (mm)
IC 460-179853/17		09/05/2013 17:57	1	NR103555.D	CLP-1 0.53 (mm)
IC 460-179853/18		09/05/2013 18:12	1	NR103556.D	CLP-2 0.53 (mm)
IC 460-179853/18		09/05/2013 18:12	1	NR103556.D	CLP-1 0.53 (mm)
IC 460-179853/19		09/05/2013 18:26	1	NR103557.D	CLP-2 0.53 (mm)
IC 460-179853/19		09/05/2013 18:26	1	NR103557.D	CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: CPESTGC6 Start Date: 09/16/2013 14:58Analysis Batch Number: 181753 End Date: 09/16/2013 16:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-181753/1		09/16/2013 14:58	1		CLP-2 0.53 (mm)
PIBLK 460-181753/1		09/16/2013 14:58	1		CLP-1 0.53 (mm)
PEM 460-181753/2		09/16/2013 15:12	1		CLP-2 0.53 (mm)
PEM 460-181753/2		09/16/2013 15:12	1		CLP-1 0.53 (mm)
IC 460-181753/3		09/16/2013 15:26	1	NR103767.D	CLP-2 0.53 (mm)
IC 460-181753/3		09/16/2013 15:26	1	NR103767.D	CLP-1 0.53 (mm)
IC 460-181753/4		09/16/2013 15:39	1	NR103768.D	CLP-2 0.53 (mm)
IC 460-181753/4		09/16/2013 15:39	1	NR103768.D	CLP-1 0.53 (mm)
IC 460-181753/5		09/16/2013 15:53	1	NR103769.D	CLP-2 0.53 (mm)
IC 460-181753/5		09/16/2013 15:53	1	NR103769.D	CLP-1 0.53 (mm)
IC 460-181753/6		09/16/2013 16:07	1	NR103770.D	CLP-2 0.53 (mm)
IC 460-181753/6		09/16/2013 16:07	1	NR103770.D	CLP-1 0.53 (mm)
IC 460-181753/7		09/16/2013 16:22	1	NR103771.D	CLP-2 0.53 (mm)
IC 460-181753/7		09/16/2013 16:22	1	NR103771.D	CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: CPESTGC6 Start Date: 03/13/2014 16:46Analysis Batch Number: 212491 End Date: 03/14/2014 04:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/13/2014 16:46	1		CLP-2 0.53 (mm)
ZZZZZ		03/13/2014 16:46	1		CLP-1 0.53 (mm)
PEM 460-212491/2		03/13/2014 17:00	1		CLP-2 0.53 (mm)
PEM 460-212491/2		03/13/2014 17:00	1		CLP-1 0.53 (mm)
STD 1221L1 IC		03/14/2014 03:37	1	NR105289.D	CLP-2 0.53 (mm)
STD 1221L1 IC		03/14/2014 03:37	1	NR105289.D	CLP-1 0.53 (mm)
STD 1221L2 IC		03/14/2014 03:51	1	NR105290.D	CLP-2 0.53 (mm)
STD 1221L2 IC		03/14/2014 03:51	1	NR105290.D	CLP-1 0.53 (mm)
STD 1221L3 IC		03/14/2014 04:05	1	NR105291.D	CLP-2 0.53 (mm)
STD 1221L3 IC		03/14/2014 04:05	1	NR105291.D	CLP-1 0.53 (mm)
STD 1221L4 IC		03/14/2014 04:19	1	NR105292.D	CLP-2 0.53 (mm)
STD 1221L4 IC		03/14/2014 04:19	1	NR105292.D	CLP-1 0.53 (mm)
STD 1221L5 IC		03/14/2014 04:33	1	NR105293.D	CLP-2 0.53 (mm)
STD 1221L5 IC		03/14/2014 04:33	1	NR105293.D	CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: CPESTGC6 Start Date: 09/11/2014 00:07

Analysis Batch Number: 248196 End Date: 09/11/2014 03:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-248196/1		09/11/2014 00:07	1		CLP-2 0.53 (mm)
PIBLK 460-248196/1		09/11/2014 00:07	1		CLP-1 0.53 (mm)
PEM 460-248196/2		09/11/2014 00:21	1		CLP-2 0.53 (mm)
PEM 460-248196/2		09/11/2014 00:21	1		CLP-1 0.53 (mm)
STD 460-248196/3 IC		09/11/2014 00:35	1	NR106653.D	CLP-2 0.53 (mm)
STD 460-248196/3 IC		09/11/2014 00:35	1	NR106653.D	CLP-1 0.53 (mm)
STD 460-248196/4 IC		09/11/2014 00:49	1	NR106654.D	CLP-2 0.53 (mm)
STD 460-248196/4 IC		09/11/2014 00:49	1	NR106654.D	CLP-1 0.53 (mm)
STD 460-248196/5 ICRT		09/11/2014 01:04	1	NR106655.D	CLP-2 0.53 (mm)
STD 460-248196/5 ICRT		09/11/2014 01:04	1	NR106655.D	CLP-1 0.53 (mm)
STD 460-248196/6 IC		09/11/2014 01:18	1	NR106656.D	CLP-2 0.53 (mm)
STD 460-248196/6 IC		09/11/2014 01:18	1	NR106656.D	CLP-1 0.53 (mm)
STD 460-248196/7 IC		09/11/2014 01:32	1	NR106657.D	CLP-2 0.53 (mm)
STD 460-248196/7 IC		09/11/2014 01:32	1	NR106657.D	CLP-1 0.53 (mm)
ZZZZZ		09/11/2014 01:46	1		CLP-2 0.53 (mm)
ZZZZZ		09/11/2014 01:46	1		CLP-1 0.53 (mm)
ICV 460-248196/9		09/11/2014 02:00	1		CLP-2 0.53 (mm)
ICV 460-248196/9		09/11/2014 02:00	1		CLP-1 0.53 (mm)
IC 460-248196/10		09/11/2014 02:13	1	NR106660.D	CLP-2 0.53 (mm)
IC 460-248196/10		09/11/2014 02:13	1	NR106660.D	CLP-1 0.53 (mm)
IC 460-248196/11		09/11/2014 02:27	1	NR106661.D	CLP-2 0.53 (mm)
IC 460-248196/11		09/11/2014 02:27	1	NR106661.D	CLP-1 0.53 (mm)
IC 460-248196/12		09/11/2014 02:41	1	NR106662.D	CLP-2 0.53 (mm)
IC 460-248196/12		09/11/2014 02:41	1	NR106662.D	CLP-1 0.53 (mm)
IC 460-248196/13		09/11/2014 03:12	1	NR106663.D	CLP-2 0.53 (mm)
IC 460-248196/13		09/11/2014 03:12	1	NR106663.D	CLP-1 0.53 (mm)
IC 460-248196/14		09/11/2014 03:27	1	NR106664.D	CLP-2 0.53 (mm)
IC 460-248196/14		09/11/2014 03:27	1	NR106664.D	CLP-1 0.53 (mm)
ICV 460-248196/15		09/11/2014 03:40	1		CLP-2 0.53 (mm)
ICV 460-248196/15		09/11/2014 03:40	1		CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: CPESTGC6 Start Date: 10/03/2014 07:02Analysis Batch Number: 253466 End Date: 10/03/2014 09:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/03/2014 07:02	1		CLP-2 0.53 (mm)
ZZZZZ		10/03/2014 07:02	1		CLP-1 0.53 (mm)
PEM 460-253466/2		10/03/2014 07:16	1	NR106776.D	CLP-2 0.53 (mm)
PEM 460-253466/2		10/03/2014 07:16	1	NR106776.D	CLP-1 0.53 (mm)
CCVRT 460-253466/3		10/03/2014 07:29	1	NR106777.D	CLP-2 0.53 (mm)
CCVRT 460-253466/3		10/03/2014 07:29	1	NR106777.D	CLP-1 0.53 (mm)
CCV 460-253466/4		10/03/2014 07:44	1	NR106778.D	CLP-2 0.53 (mm)
CCV 460-253466/4		10/03/2014 07:44	1	NR106778.D	CLP-1 0.53 (mm)
ZZZZZ		10/03/2014 08:03	1		CLP-2 0.53 (mm)
ZZZZZ		10/03/2014 08:03	1		CLP-1 0.53 (mm)
ZZZZZ		10/03/2014 08:16	1		CLP-2 0.53 (mm)
ZZZZZ		10/03/2014 08:16	1		CLP-1 0.53 (mm)
ZZZZZ		10/03/2014 08:31	1		CLP-2 0.53 (mm)
ZZZZZ		10/03/2014 08:31	1		CLP-1 0.53 (mm)
ZZZZZ		10/03/2014 08:45	1		CLP-2 0.53 (mm)
ZZZZZ		10/03/2014 08:45	1		CLP-1 0.53 (mm)
MB 460-253274/1-A		10/03/2014 08:59	1	NR106783.D	CLP-2 0.53 (mm)
MB 460-253274/1-A		10/03/2014 08:59	1	NR106783.D	CLP-1 0.53 (mm)
LCS 460-253274/2-A		10/03/2014 09:14	1	NR106784.D	CLP-2 0.53 (mm)
LCS 460-253274/2-A		10/03/2014 09:14	1	NR106784.D	CLP-1 0.53 (mm)
LCSD 460-253274/3-A		10/03/2014 09:28	1	NR106785.D	CLP-2 0.53 (mm)
LCSD 460-253274/3-A		10/03/2014 09:28	1	NR106785.D	CLP-1 0.53 (mm)
460-83615-1	Effluent - Composite	10/03/2014 09:42	1	NR106786.D	CLP-2 0.53 (mm)
460-83615-1	Effluent - Composite	10/03/2014 09:42	1	NR106786.D	CLP-1 0.53 (mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 253274 Batch Start Date: 10/02/14 13:00 Batch Analyst: Wu, HuachiBatch Method: 608 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	OP_PCB_SP_LVI 00005	OPPSPCBSU_LVI 00006	
MB 460-253274/1		608, 608		1000 mL	0.5 mL	7 SU		50 uL	
LCS 460-253274/2		608, 608		1000 mL	0.5 mL	7 SU	50 uL	50 uL	
LCSD 460-253274/3		608, 608		1000 mL	0.5 mL	7 SU	50 uL	50 uL	
460-83615-H-1	Effluent - Composite	608, 608	T	990 mL	0.5 mL	7 SU		50 uL	

Batch Notes	
Batch Comment	608 PCB
Person's name who did the concentration	Wuh
Exchange Solvent Lot #	77528
Exchange Solvent Name	Hexane
N-evap #	222299
N-evap temperature	35 C Celsius
Na2SO4 Lot Number	81084
Prep Solvent Lot #	84537
Prep Solvent Name	MECL2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	Wuh
Uncorrected N-evap Temperature	35 C Celsius

Basis	Basis Description
T	Total/NA

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

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-83615-1

SDG No.: _____

Project: NY Concrete

Client Sample ID
Effluent - Grab

Lab Sample ID
460-83615-2

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: Effluent - Grab

Lab Sample ID: 460-83615-2

Lab Name: TestAmerica Edison

Job No.: 460-83615-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2014 07:45

Reporting Basis: WET

Date Received: 09/30/2014 12:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	245.1

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: Effluent - Grab

Lab Sample ID: 460-83615-2

Lab Name: TestAmerica Edison

Job No.: 460-83615-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2014 07:45

Reporting Basis: WET

Date Received: 09/30/2014 12:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	1.7	5.0	1.7	ug/L	U		1	200.7 Rev 4.4
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	200.7 Rev 4.4
7439-92-1	Lead	4.8	5.0	4.8	ug/L	U		1	200.7 Rev 4.4
7440-02-0	Nickel	14.3	40.0	8.9	ug/L	J		1	200.7 Rev 4.4
7440-66-6	Zinc	8.9	30.0	8.9	ug/L	U		1	200.7 Rev 4.4

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00124 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00124

Analyte	ICV 460-253026/7 10/01/2014 12:41				CCV 460-253026/36 10/01/2014 14:35				CCV 460-253026/48 10/01/2014 15:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	1288		1250	103	1279		1250	102	1287		1250	103
Copper	12570		12500	101	12280		12500	98	12330		12500	99
Lead	7726		7500	103	7722		7500	103	7733		7500	103
Nickel	2566		2500	103	2558		2500	102	2559		2500	102
Zinc	2547		2500	102	2590		2500	104	2571		2500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00124 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00124

Analyte	CCV 460-253026/60 10/01/2014 16:05											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	1266		1250	101								
Copper	12100		12500	97								
Lead	7600		7500	101								
Nickel	2519		2500	101								
Zinc	2533		2500	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

ICV Source: ME_DCAL-IN_01848 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_01848

Analyte	ICV 460-254511/21-A 10/08/2014 13:33				CCV 460-254511/23-A 10/08/2014 13:57				CCV 460-254511/23-A 10/08/2014 14:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.06		5.00	101	4.98		5.00	100	4.89		5.00	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-253026/8 10/01/2014 12:44		CCB 460-253026/37 10/01/2014 14:39		CCB 460-253026/49 10/01/2014 15:24		CCB 460-253026/61 10/01/2014 16:08	
		Found	C	Found	C	Found	C	Found	C
Cadmium	5.0	1.7	U	1.7	U	1.7	U	1.7	U
Copper	25.0	7.8	U	7.8	U	7.8	U	7.8	U
Lead	5.0	4.8	U	4.8	U	4.8	U	4.8	U
Nickel	40.0	8.9	U	8.9	U	8.9	U	8.9	U
Zinc	30.0	8.9	U	8.9	U	8.9	U	8.9	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-254576/8 10/08/2014 13:35		CCB 460-254576/21 10/08/2014 13:59		CCB 460-254576/32 10/08/2014 14:19			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.16	U	0.16	U	0.16	U		

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Concentration Units: ug/L Lab Sample ID: MB 460-252960/1-A
Instrument Code: ICP5 Batch No.: 253026

CAS No.	Analyte	Concentration	C	Q	Method
7440-43-9	Cadmium	1.7	U		200.7
7440-50-8	Copper	7.8	U		200.7
7439-92-1	Lead	4.8	U		200.7
7440-02-0	Nickel	8.9	U		200.7
7440-66-6	Zinc	8.9	U		200.7

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Concentration Units: ug/L Lab Sample ID: MB 460-254511/1-A
Instrument Code: LEEMAN6 Batch No.: 254576

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.16	U		245.1

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-253026/22 Instrument ID: ICP5
 Lab File ID: 10012014A.asc ICS Source: ME_ICSA_Duo_00056
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Cadmium		2.53	
Copper		-2.30	
Lead		-3.46	
Nickel		3.76	
Zinc		2.37	
<i>Aluminum</i>	<i>500000</i>	<i>509900</i>	<i>102</i>
<i>Antimony</i>		<i>-7.46</i>	
<i>Arsenic</i>		<i>-3.26</i>	
<i>Barium</i>		<i>-1.56</i>	
<i>Beryllium</i>		<i>-1.07</i>	
<i>Boron</i>		<i>-1.01</i>	
<i>Calcium</i>	<i>500000</i>	<i>506300</i>	<i>101</i>
<i>Chromium</i>		<i>-0.0753</i>	
<i>Cobalt</i>		<i>-2.69</i>	
<i>Iron</i>	<i>200000</i>	<i>195700</i>	<i>98</i>
<i>Magnesium</i>	<i>500000</i>	<i>497800</i>	<i>100</i>
<i>Manganese</i>		<i>-1.12</i>	
<i>Molybdenum</i>		<i>-2.23</i>	
<i>Potassium</i>		<i>-32.7</i>	
<i>Selenium</i>		<i>0.369</i>	
<i>Silver</i>		<i>-3.70</i>	
<i>Sodium</i>		<i>-42.5</i>	
<i>Strontium</i>		<i>-3.22</i>	
<i>Thallium</i>		<i>0.175</i>	
<i>Tin</i>		<i>-1.32</i>	
<i>Titanium</i>		<i>0.0218</i>	
<i>Vanadium</i>		<i>0.302</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-253026/23 Instrument ID: ICP5
 Lab File ID: 10012014A.asc ICS Source: ME_ICSAB_DUO_00064
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Cadmium	100	98.3	98
Copper	100	99.6	100
Lead	100	99.3	99
Nickel	100	98.3	98
Zinc	100	97.0	97
<i>Aluminum</i>	<i>500000</i>	<i>504400</i>	<i>101</i>
<i>Antimony</i>	<i>100</i>	<i>90.9</i>	<i>91</i>
<i>Arsenic</i>	<i>100</i>	<i>99.4</i>	<i>99</i>
<i>Barium</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Beryllium</i>	<i>100</i>	<i>98.7</i>	<i>99</i>
<i>Boron</i>	<i>100</i>	<i>100</i>	<i>100</i>
<i>Calcium</i>	<i>500000</i>	<i>505700</i>	<i>101</i>
<i>Chromium</i>	<i>100</i>	<i>98.8</i>	<i>99</i>
<i>Cobalt</i>	<i>100</i>	<i>92.8</i>	<i>93</i>
<i>Iron</i>	<i>200000</i>	<i>195200</i>	<i>98</i>
<i>Magnesium</i>	<i>500000</i>	<i>493100</i>	<i>99</i>
<i>Manganese</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Molybdenum</i>	<i>100</i>	<i>94.6</i>	<i>95</i>
<i>Potassium</i>	<i>10000</i>	<i>10330</i>	<i>103</i>
<i>Selenium</i>	<i>100</i>	<i>96.7</i>	<i>97</i>
<i>Silver</i>	<i>100</i>	<i>101</i>	<i>101</i>
<i>Sodium</i>	<i>10000</i>	<i>10320</i>	<i>103</i>
<i>Strontium</i>	<i>100</i>	<i>103</i>	<i>103</i>
<i>Thallium</i>	<i>100</i>	<i>97.5</i>	<i>98</i>
<i>Tin</i>	<i>100</i>	<i>97.2</i>	<i>97</i>
<i>Titanium</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Vanadium</i>	<i>100</i>	<i>101</i>	<i>101</i>

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: Effluent - Grab MS Lab ID: 460-83615-2 MS
 Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 Matrix: Water Concentration Units: ug/L
 % Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Cadmium	52.22	1.7 U	50.0	104	70-130		200.7 Rev 4.4
Copper	253.1	7.8 U	250	101	70-130		200.7 Rev 4.4
Lead	530.3	4.8 U	500	106	70-130		200.7 Rev 4.4
Nickel	535.3	14.3 J	500	104	70-130		200.7 Rev 4.4
Zinc	534.5	8.9 U	500	107	70-130		200.7 Rev 4.4

SSR = Spiked Sample Result

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-81949-G-1-C MS
Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Matrix: Water Concentration Units: ug/L
% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.979	0.16 U	1.00	98	70-130		245.1

SSR = Spiked Sample Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: Effluent - Grab PDS

Lab ID: 460-83615-2 PDS

Lab Name: TestAmerica Edison

Job No.: 460-83615-1

SDG No.: _____

Matrix: Water

Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Cadmium	50.27	1.7 U	50.0	101	75-125		200.7 Rev 4.4
Copper	241.2	7.8 U	250	96	75-125		200.7 Rev 4.4
Lead	510.5	4.8 U	500	102	75-125		200.7 Rev 4.4
Nickel	511.8	14.3 J	500	100	75-125		200.7 Rev 4.4
Zinc	517.0	8.9 U	500	103	75-125		200.7 Rev 4.4

SSR = Spiked Sample Result

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

6-IN
 DUPLICATES
 METALS - TOTAL RECOVERABLE

Client ID: Effluent - Grab DU Lab ID: 460-83615-2 DU
 Lab Name: TestAmerica Edison Job No.: 460-83615-1
 SDG No.: _____
 % Solids for Sample: _____ % Solids for Duplicate: _____
 Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S) C		Duplicate (D) C		RPD	Q	Method
Cadmium	5.0	1.7	U	1.7	U	NC		200.7 Rev 4.4
Copper	25.0	7.8	U	7.8	U	NC		200.7 Rev 4.4
Lead	5.0	4.8	U	4.8	U	NC		200.7 Rev 4.4
Nickel	40.0	14.3	J	13.49	J	6		200.7 Rev 4.4
Zinc	30.0	8.9	U	8.9	U	NC		200.7 Rev 4.4

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

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-81949-G-1-B DU
Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
% 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	0.16 U	0.16 U	NC		245.1

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

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 460-252960/2-A

Lab Name: TestAmerica Edison

Job No.: 460-83615-1

Sample Matrix: Water

LCS Source: ME_LCS-int_00047

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Cadmium	50.0	53.88		108	85	115		200.7 Rev 4.4
Copper	250	246.7		99	85	115		200.7 Rev 4.4
Lead	500	554.5		111	85	115		200.7 Rev 4.4
Nickel	500	543.7		109	85	115		200.7 Rev 4.4
Zinc	500	543.7		109	85	115		200.7 Rev 4.4

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-254511/2-A

Lab Name: TestAmerica Edison

Job No.: 460-83615-1

Sample Matrix: Water

LCS Source: ME_DCAL-IN_01848

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	1.03		103	85	115		245.1

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TOTAL RECOVERABLE

Lab ID: 460-83615-2

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-83615-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Cadmium	1.7	U	8.5	U	NC		200.7 Rev 4.4
Copper	7.8	U	39.0	U	NC		200.7 Rev 4.4
Lead	4.8	U	24.0	U	NC		200.7 Rev 4.4
Nickel	14.3	J	44.6	U	NC		200.7 Rev 4.4
Zinc	8.9	U	44.3	U	NC		200.7 Rev 4.4

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-81949-G-1-A SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-83615-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Mercury	0.16	U	0.80	U	NC		245.1

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: ICP5
Method: 200.7 Rev 4.4 MDL Date: 01/31/2014 09:54
Prep Method: 200.7

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Cadmium		5	1.7
Copper		25	7.8
Lead		5	4.8
Nickel		40	8.91
Zinc		30	8.86

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: ICP5
Method: 200.7 Rev 4.4 XMDL Date: 01/31/2014 09:55

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Cadmium		5	1.7
Copper		25	7.8
Lead		5	4.8
Nickel		40	8.91
Zinc		30	8.86

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN6
Method: 245.1 MDL Date: 02/25/2013 09:36
Prep Method: 245.1

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.16

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN6
Method: 245.1 XMDL Date: 02/25/2013 09:37

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Prep Method: 200.7

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-252960/1-A	10/01/2014 09:40	252960		100	100
LCS 460-252960/2-A	10/01/2014 09:40	252960		100	100
460-83615-2	10/01/2014 09:40	252960		100	100
460-83615-2 DU	10/01/2014 09:40	252960		100	100
460-83615-2 MS	10/01/2014 09:40	252960		100	100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Prep Method: 245.1

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-254511/1-A	10/08/2014 11:41	254511		30	30
LCS 460-254511/2-A	10/08/2014 11:41	254511		30	30
460-81949-G-1-B DU	10/08/2014 11:41	254511		30	30
460-81949-G-1-C MS	10/08/2014 11:41	254511		30	30
460-83615-2	10/08/2014 11:41	254511		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: ICP5 Method: 200.7 Rev 4.4

Start Date: 10/01/2014 12:18 End Date: 10/01/2014 17:27

Lab Sample ID	D / F	T y p e	Time	Analytes																
				C d	C u	N i	P b	Z n												
ZZZZZZ			12:18																	
ZZZZZZ			12:22																	
ZZZZZZ			12:26																	
ZZZZZZ			12:30																	
ZZZZZZ			12:33																	
ZZZZZZ			12:37																	
ICV 460-253026/7	1		12:41	X	X	X	X	X												
ICB 460-253026/8	1		12:44	X	X	X	X	X												
ICSA 460-253026/9			12:48																	
ICSAB 460-253026/10			12:52																	
ZZZZZZ			12:56																	
ZZZZZZ			13:00																	
ZZZZZZ			13:03																	
ZZZZZZ			13:07																	
ZZZZZZ			13:11																	
ZZZZZZ			13:14																	
ZZZZZZ			13:18																	
ZZZZZZ			13:22																	
CCV 460-253026/19			13:25																	
CCB 460-253026/20			13:29																	
ZZZZZZ			13:33																	
ICSA 460-253026/22	1		13:37	X	X	X	X	X												
ICSAB 460-253026/23	1		13:40	X	X	X	X	X												
CCV 460-253026/24			13:44																	
CCB 460-253026/25			13:48																	
ZZZZZZ			13:57																	
ZZZZZZ			14:01																	
ZZZZZZ			14:05																	
ZZZZZZ			14:09																	
ZZZZZZ			14:13																	
ZZZZZZ			14:16																	
ZZZZZZ			14:20																	
ZZZZZZ			14:24																	
ZZZZZZ			14:28																	
ZZZZZZ			14:31																	
CCV 460-253026/36	1		14:35	X	X	X	X	X												
CCB 460-253026/37	1		14:39	X	X	X	X	X												
ZZZZZZ			14:43																	
ZZZZZZ			14:46																	
ZZZZZZ			14:50																	
460-83615-2 DU	1	R	14:54	X	X	X	X	X												
460-83615-2	1	R	14:58	X	X	X	X	X												

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: ICP5 Method: 200.7 Rev 4.4

Start Date: 10/01/2014 12:18 End Date: 10/01/2014 17:27

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C d	C u	N i	P b	Z n													
460-83615-2 SD	5	R	15:02	X	X	X	X	X													
460-83615-2 MS	1	R	15:06	X	X	X	X	X													
460-83615-2 PDS	1	R	15:09	X	X	X	X	X													
ZZZZZZ			15:13																		
LCS 460-252960/2-A	1	R	15:17	X	X	X	X	X													
CCV 460-253026/48	1		15:21	X	X	X	X	X													
CCB 460-253026/49	1		15:24	X	X	X	X	X													
MB 460-252960/1-A	1	R	15:28	X	X	X	X	X													
ZZZZZZ			15:32																		
ZZZZZZ			15:35																		
ZZZZZZ			15:39																		
ZZZZZZ			15:43																		
ZZZZZZ			15:47																		
ZZZZZZ			15:50																		
ZZZZZZ			15:54																		
ZZZZZZ			15:58																		
ZZZZZZ			16:01																		
CCV 460-253026/60	1		16:05	X	X	X	X	X													
CCB 460-253026/61	1		16:08	X	X	X	X	X													
ZZZZZZ			16:12																		
ZZZZZZ			16:16																		
ZZZZZZ			16:20																		
ZZZZZZ			16:24																		
ZZZZZZ			16:27																		
ZZZZZZ			16:31																		
ZZZZZZ			16:35																		
ZZZZZZ			16:38																		
ZZZZZZ			16:42																		
ZZZZZZ			16:46																		
CCV 460-253026/72			16:49																		
CCB 460-253026/73			16:53																		
ZZZZZZ			16:57																		
ZZZZZZ			17:01																		
ZZZZZZ			17:05																		
ZZZZZZ			17:08																		
ZZZZZZ			17:12																		
ZZZZZZ			17:16																		
ZZZZZZ			17:20																		
CCV 460-253026/81			17:23																		
CCB 460-253026/82			17:27																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: ICP5 Method: 200.7 Rev 4.4

Start Date: 10/01/2014 12:18 End Date: 10/01/2014 17:27

Prep Types

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: LEEMAN6 Method: 245.1

Start Date: 10/08/2014 13:21 End Date: 10/08/2014 16:11

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
IC 460-254511/15-A			13:21	X															
IC 460-254511/16-A			13:23	X															
IC 460-254511/17-A			13:25	X															
IC 460-254511/18-A			13:27	X															
IC 460-254511/19-A			13:29	X															
IC 460-254511/20-A			13:31	X															
ICV 460-254511/21-A	1		13:33	X															
ICB 460-254576/8	1		13:35	X															
ZZZZZZ			13:37																
ZZZZZZ			13:39																
MB 460-254511/1-A	1	T	13:41	X															
LCS 460-254511/2-A	1	T	13:42	X															
ZZZZZZ			13:44																
460-81949-G-1-B DU	1	T	13:46	X															
460-81949-G-1-C MS	1	T	13:48	X															
460-81949-G-1-A SD ^5	5	T	13:50	X															
ZZZZZZ			13:52																
ZZZZZZ			13:54																
ZZZZZZ			13:55																
CCV 460-254511/23-A	1		13:57	X															
CCB 460-254576/21	1		13:59	X															
ZZZZZZ			14:01																
ZZZZZZ			14:03																
ZZZZZZ			14:05																
460-83615-2	1	T	14:07	X															
ZZZZZZ			14:08																
ZZZZZZ			14:10																
ZZZZZZ			14:12																
ZZZZZZ			14:14																
ZZZZZZ			14:16																
CCV 460-254511/23-A	1		14:18	X															
CCB 460-254576/32	1		14:19	X															
ZZZZZZ			14:21																
ZZZZZZ			14:23																
ZZZZZZ			14:25																
ZZZZZZ			14:27																
ZZZZZZ			14:29																
ZZZZZZ			14:31																
ZZZZZZ			14:33																
ZZZZZZ			14:34																
ZZZZZZ			14:36																
CCV 460-254511/23-A			14:38																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: LEEMAN6 Method: 245.1

Start Date: 10/08/2014 13:21 End Date: 10/08/2014 16:11

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
CCB 460-254576/43			14:40																
ZZZZZZ			14:42																
ZZZZZZ			14:44																
ZZZZZZ			14:46																
ZZZZZZ			14:47																
ZZZZZZ			14:49																
ZZZZZZ			14:51																
ZZZZZZ			14:53																
ZZZZZZ			14:55																
ZZZZZZ			14:57																
CCV 460-254511/23-A			14:59																
CCB 460-254576/54			15:00																
ZZZZZZ			15:02																
ZZZZZZ			15:04																
ZZZZZZ			15:06																
ZZZZZZ			15:08																
ZZZZZZ			15:10																
ZZZZZZ			15:12																
ZZZZZZ			15:13																
ZZZZZZ			15:15																
ZZZZZZ			15:17																
CCV 460-254511/23-A			15:19																
CCB 460-254576/65			15:21																
ZZZZZZ			15:23																
ZZZZZZ			15:25																
ZZZZZZ			15:27																
ZZZZZZ			15:28																
ZZZZZZ			15:30																
ZZZZZZ			15:32																
ZZZZZZ			15:34																
ZZZZZZ			15:36																
ZZZZZZ			15:38																
CCV 460-254511/23-A			15:40																
CCB 460-254576/76			15:41																
ZZZZZZ			15:43																
ZZZZZZ			15:45																
ZZZZZZ			15:47																
CCV 460-254511/23-A			15:49																
CCB 460-254576/81			15:50																
ZZZZZZ			16:01																
ZZZZZZ			16:03																
ZZZZZZ			16:06																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

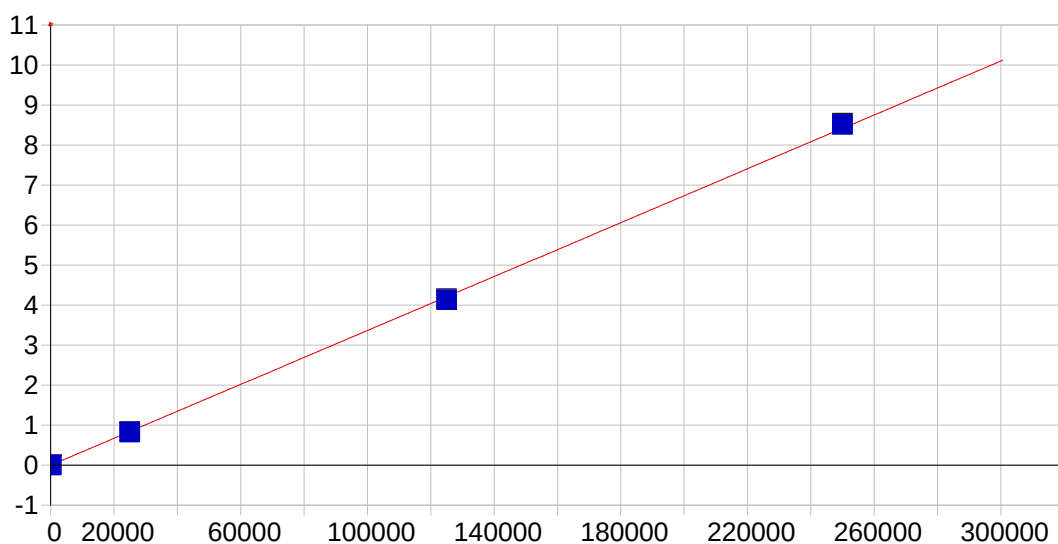
Instrument ID: LEEMAN6 Method: 245.1

Start Date: 10/08/2014 13:21 End Date: 10/08/2014 16:11

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ZZZZZZ			16:08																		
CCV 460-254511/23-A			16:10																		
CCB 460-254576/87			16:11																		

Prep Types

T = Total/NA

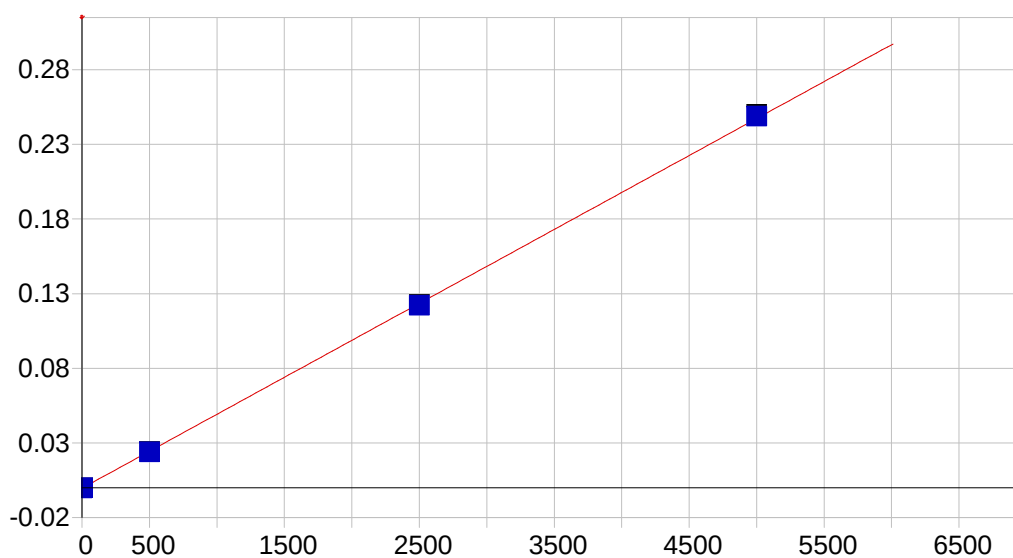


AI 396.152 { 85}

Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc

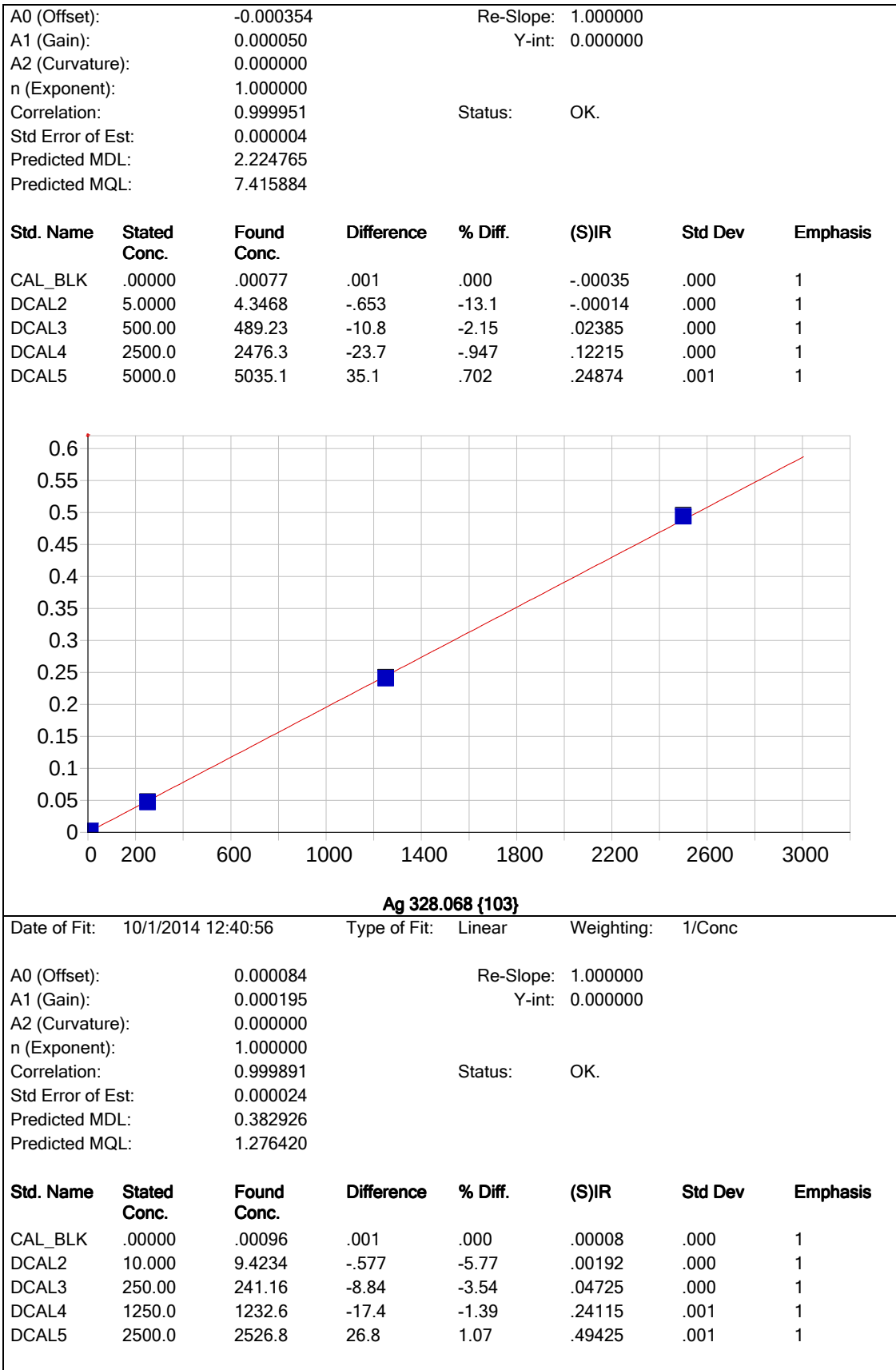
A0 (Offset): -0.001382 Re-Slope: 1.000000
 A1 (Gain): 0.000034 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999899 Status: OK.
 Std Error of Est: 0.000175
 Predicted MDL: 9.444675
 Predicted MQL: 31.482251

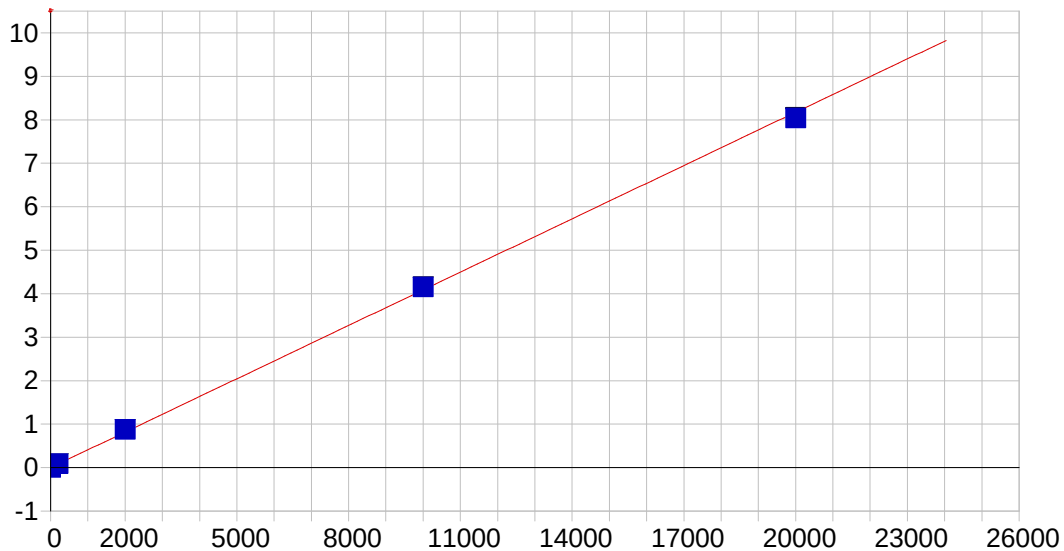
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00714	-.007	.000	-.00138	.000	1
DCAL2	200.00	212.77	12.8	6.39	.00581	.000	1
DCAL3	25000.	24464.	-536.	-2.14	.82323	.001	1
DCAL4	125000.	122800.	-2200.	-1.76	4.1378	.014	1
DCAL5	250000.	252720.	2720.	1.09	8.5170	.025	1



As 189.042 {478}

Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc



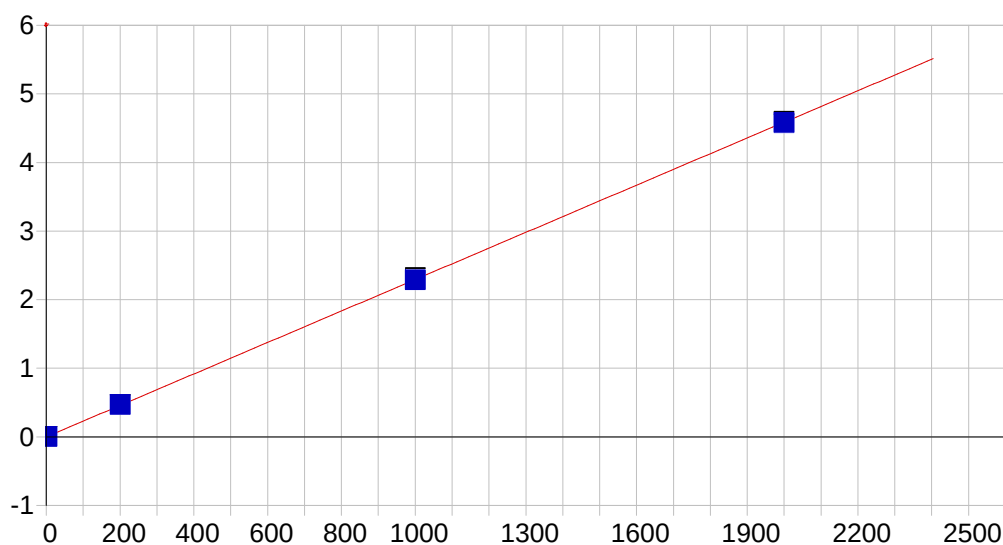


Ba 233.527 {445}

Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000074 Re-Slope: 1.000000
 A1 (Gain): 0.000409 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999698 Status: OK.
 Std Error of Est: 0.001039
 Predicted MDL: 0.302211
 Predicted MQL: 1.007370

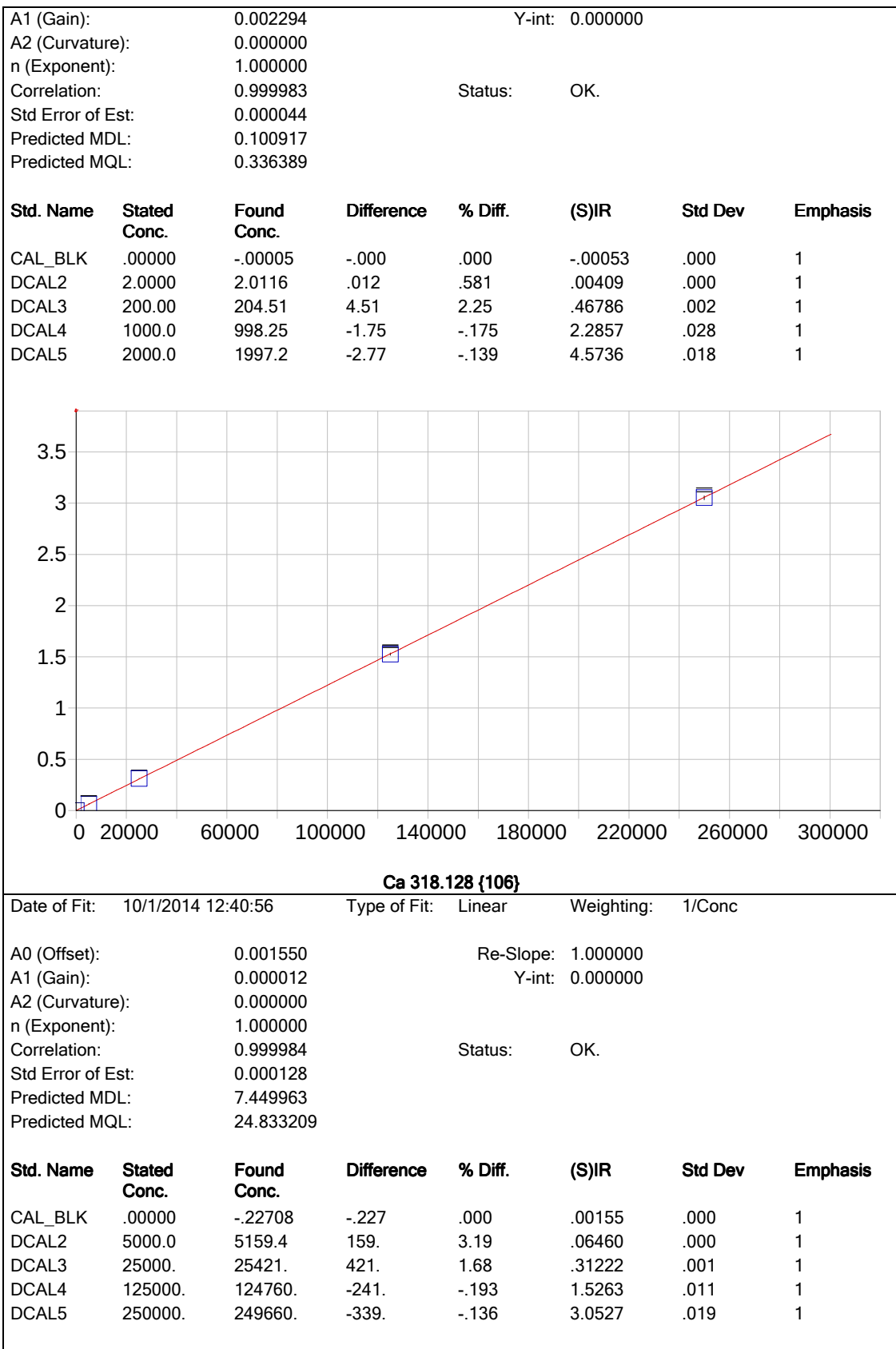
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.03003	-.030	.000	.00006	.000	1
DCAL2	200.00	215.72	15.7	7.86	.08820	.000	1
DCAL3	2000.0	2142.2	142.	7.11	.87483	.000	1
DCAL4	10000.	10167.	167.	1.67	4.1515	.001	1
DCAL5	20000.	19675.	-325.	-1.63	8.0335	.011	1

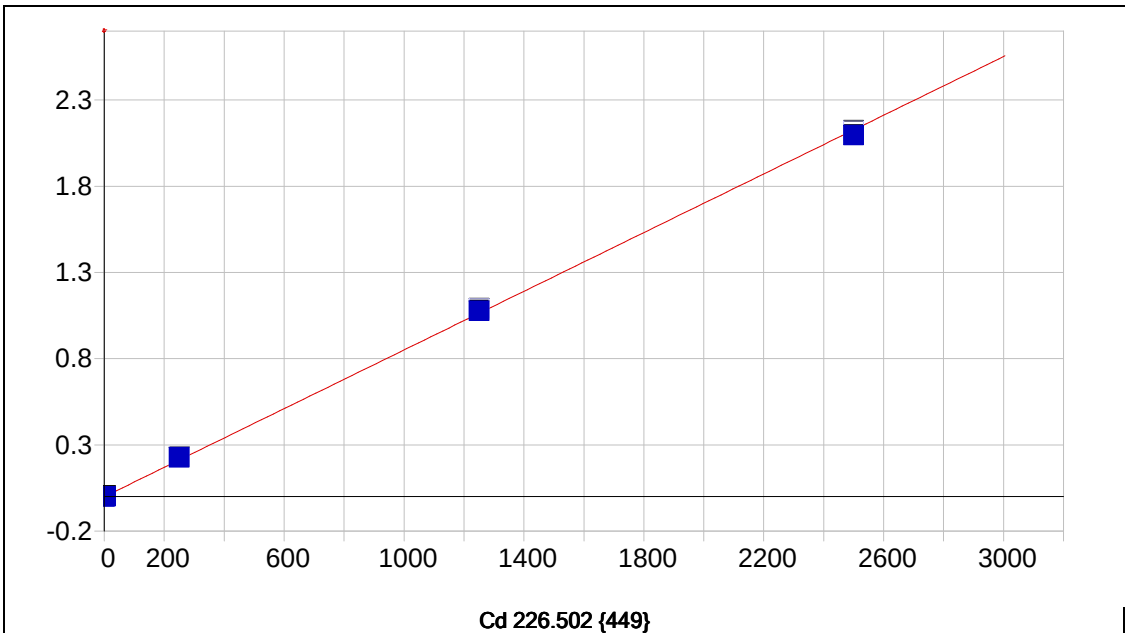


Be 313.042 {108}

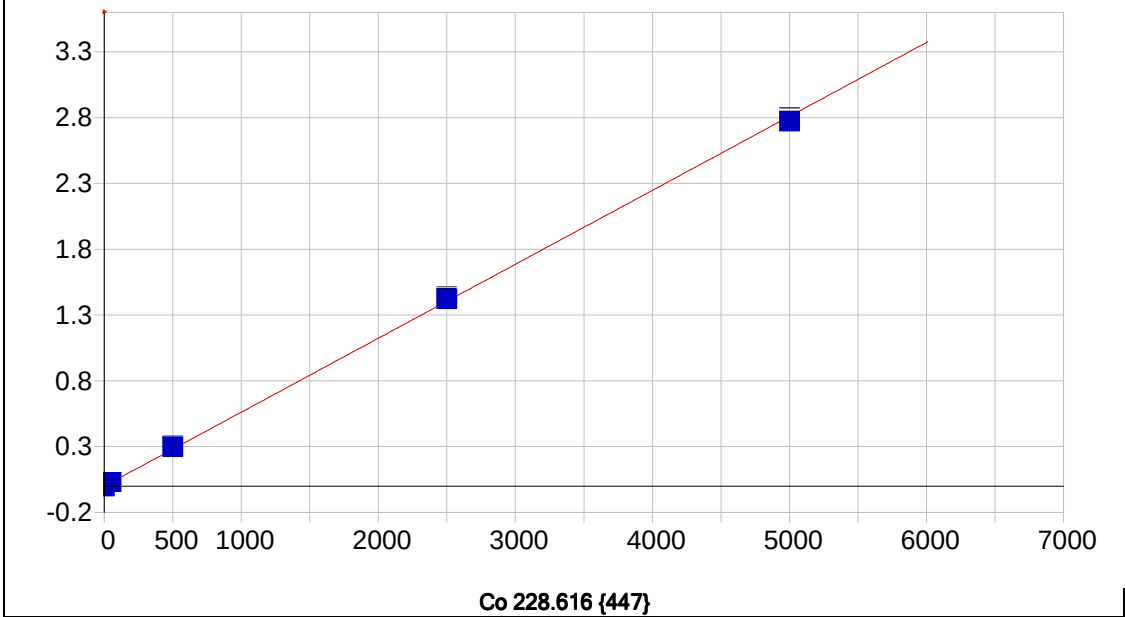
Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000534 Re-Slope: 1.000000

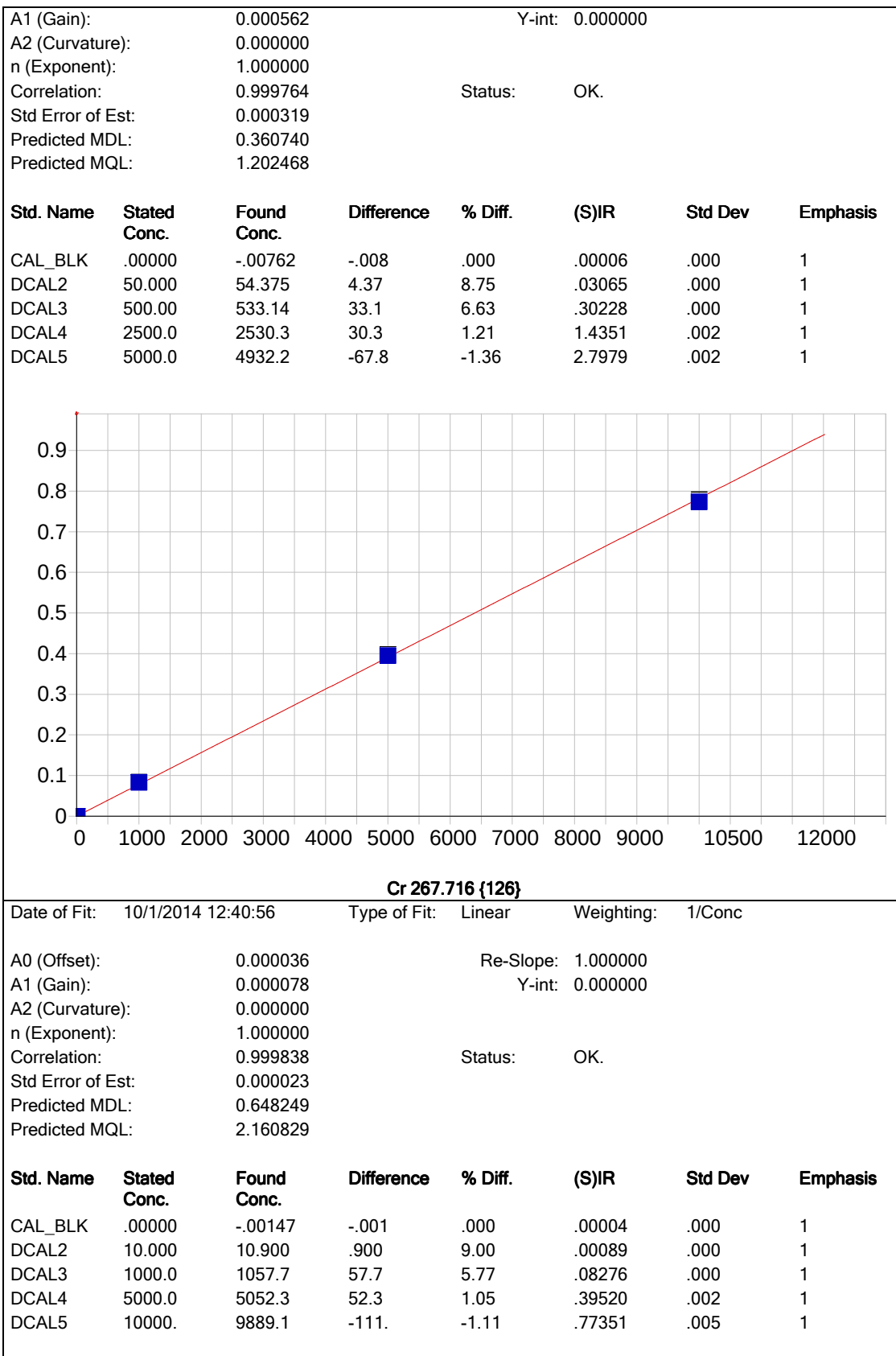


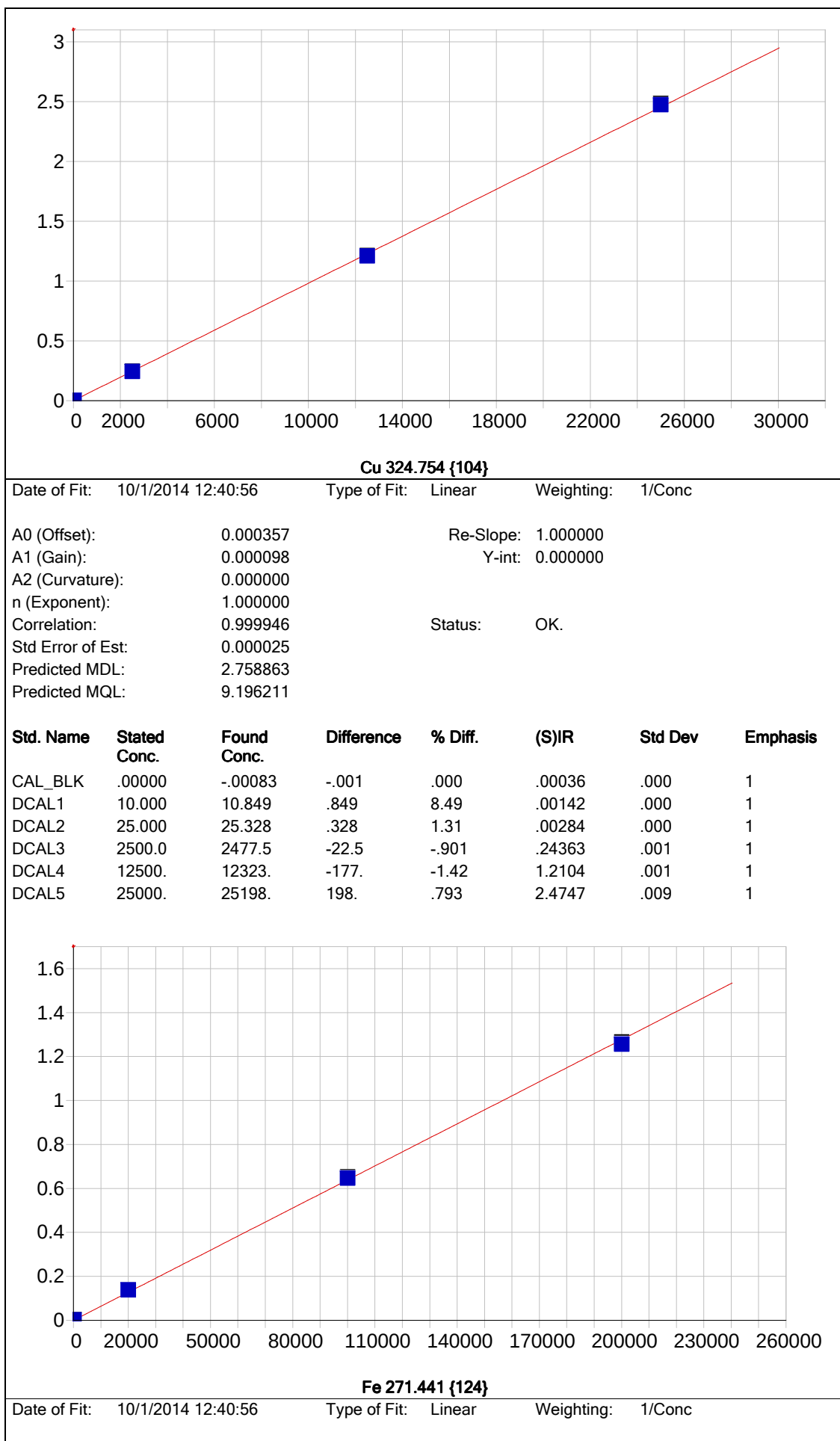


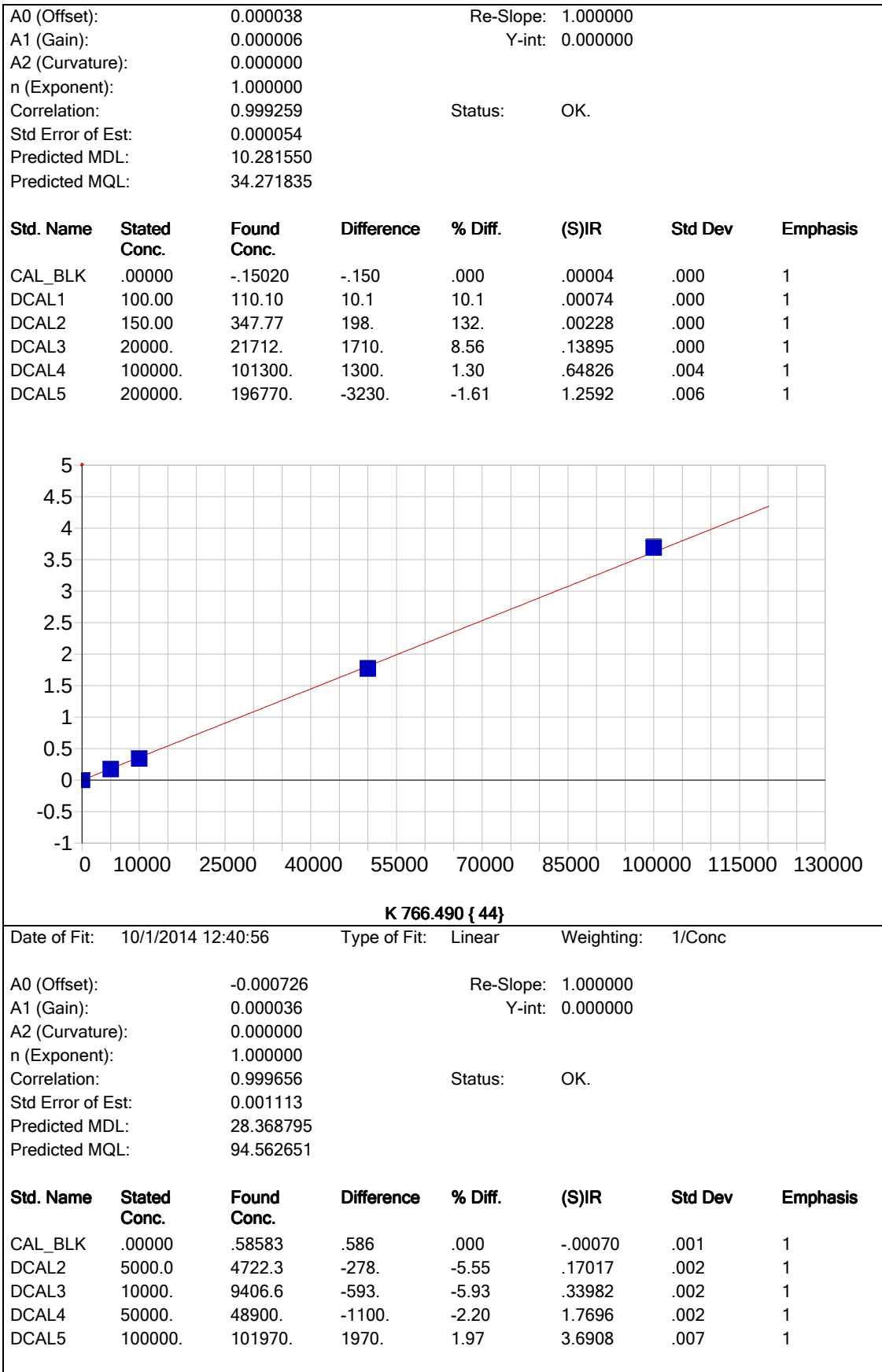
Date of Fit:	10/1/2014 12:40:56	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	-0.000451		Re-Slope:	1.000000			
A1 (Gain):	0.000851		Y-int:	0.000000			
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999748		Status:	OK.			
Std Error of Est:	0.000100						
Predicted MDL:	0.201908						
Predicted MQL:	0.673026						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00064	-.001	.000	-.00045	.000	1
DCAL2	4.0000	4.3563	.356	8.91	.00327	.000	1
DCAL3	250.00	267.91	17.9	7.16	.23000	.001	1
DCAL4	1250.0	1267.4	17.4	1.39	1.0904	.001	1
DCAL5	2500.0	2464.3	-35.7	-1.43	2.1213	.003	1

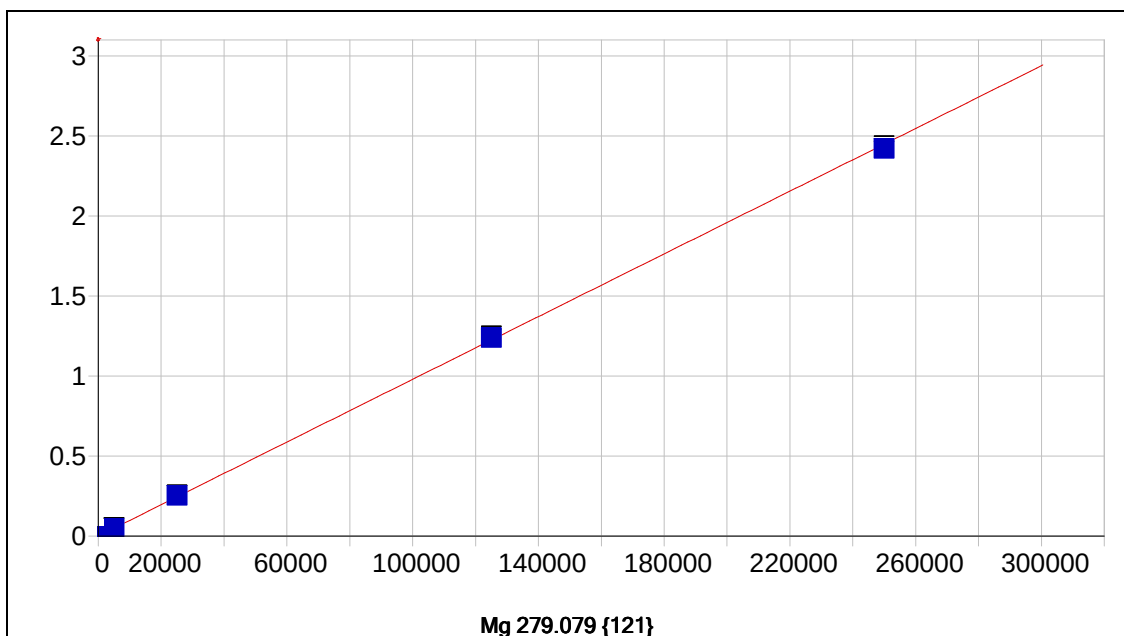


Date of Fit:	10/1/2014 12:40:56	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000062	Re-Slope:	1.000000		





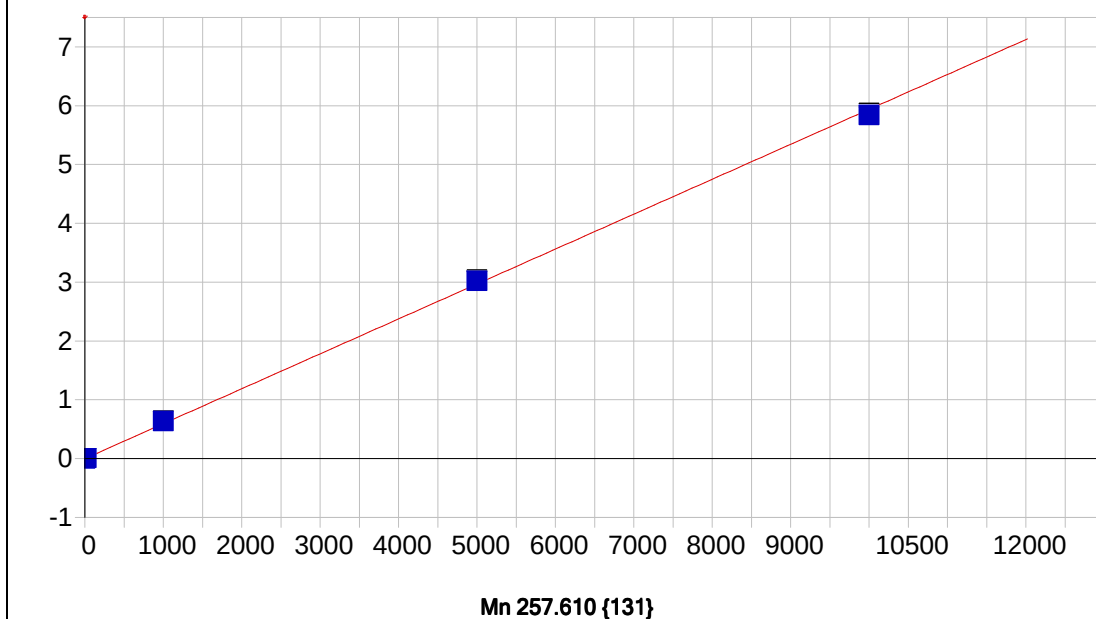




Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc

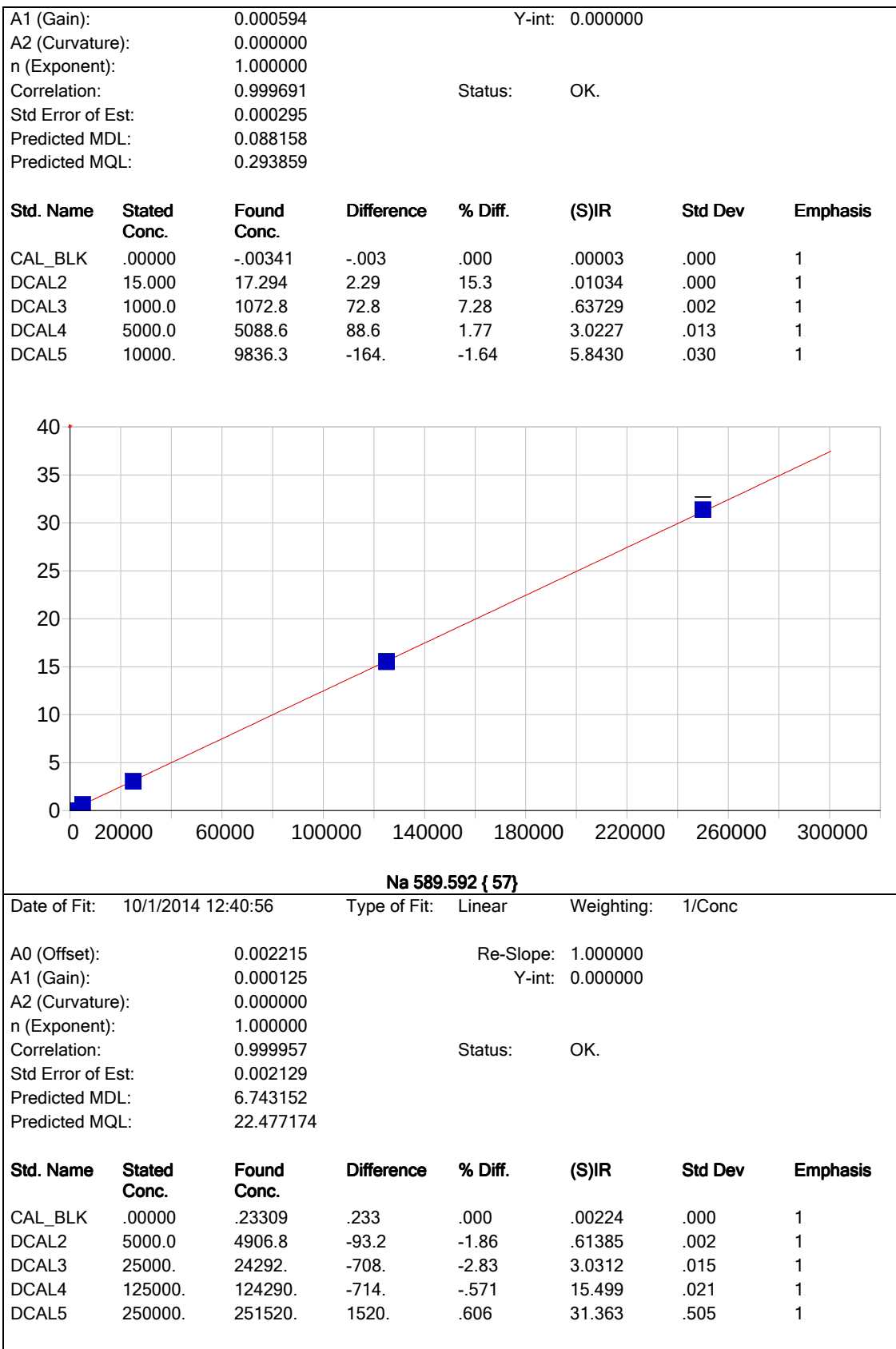
A0 (Offset): 0.000054 Re-Slope: 1.000000
 A1 (Gain): 0.000010 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999879 Status: OK.
 Std Error of Est: 0.000280
 Predicted MDL: 5.871302
 Predicted MQL: 19.571006

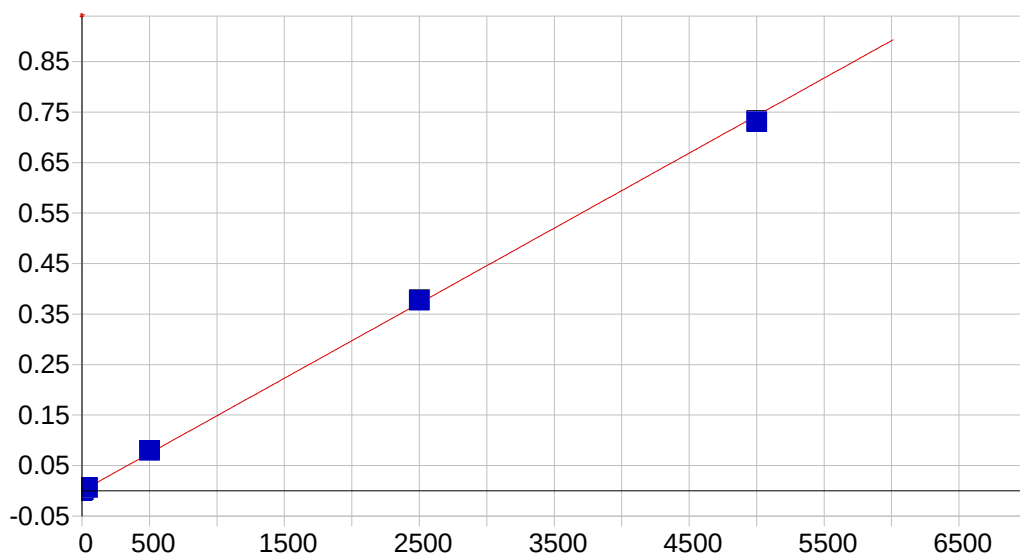
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.38773	-.388	.000	.00005	.000	1
DCAL2	5000.0	5177.3	177.	3.55	.05077	.000	1
DCAL3	25000.	26014.	1010.	4.06	.25471	.001	1
DCAL4	125000.	126580.	1580.	1.26	1.2391	.009	1
DCAL5	250000.	247230.	-2770.	-1.11	2.4202	.016	1



Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000037 Re-Slope: 1.000000



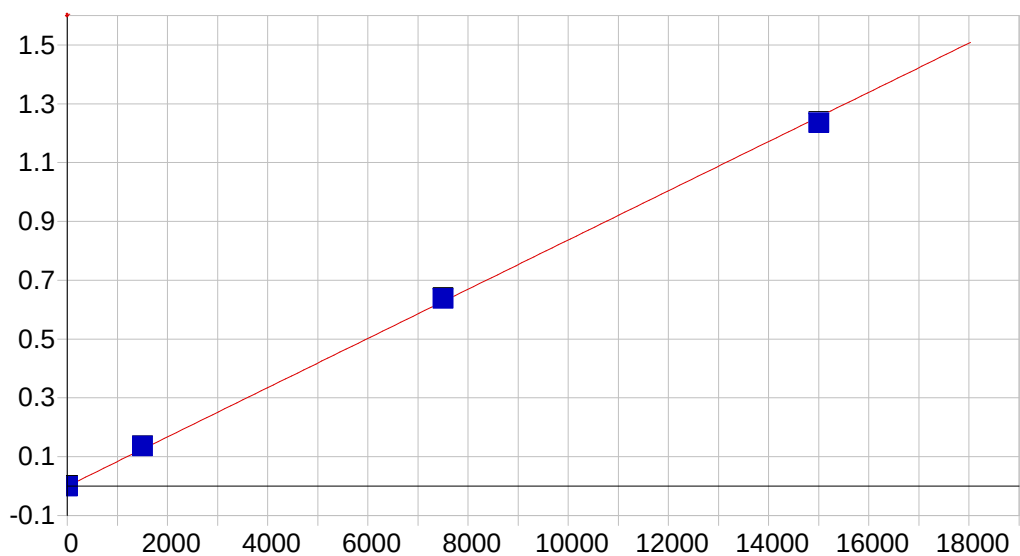


Ni 231.604 {446}

Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc

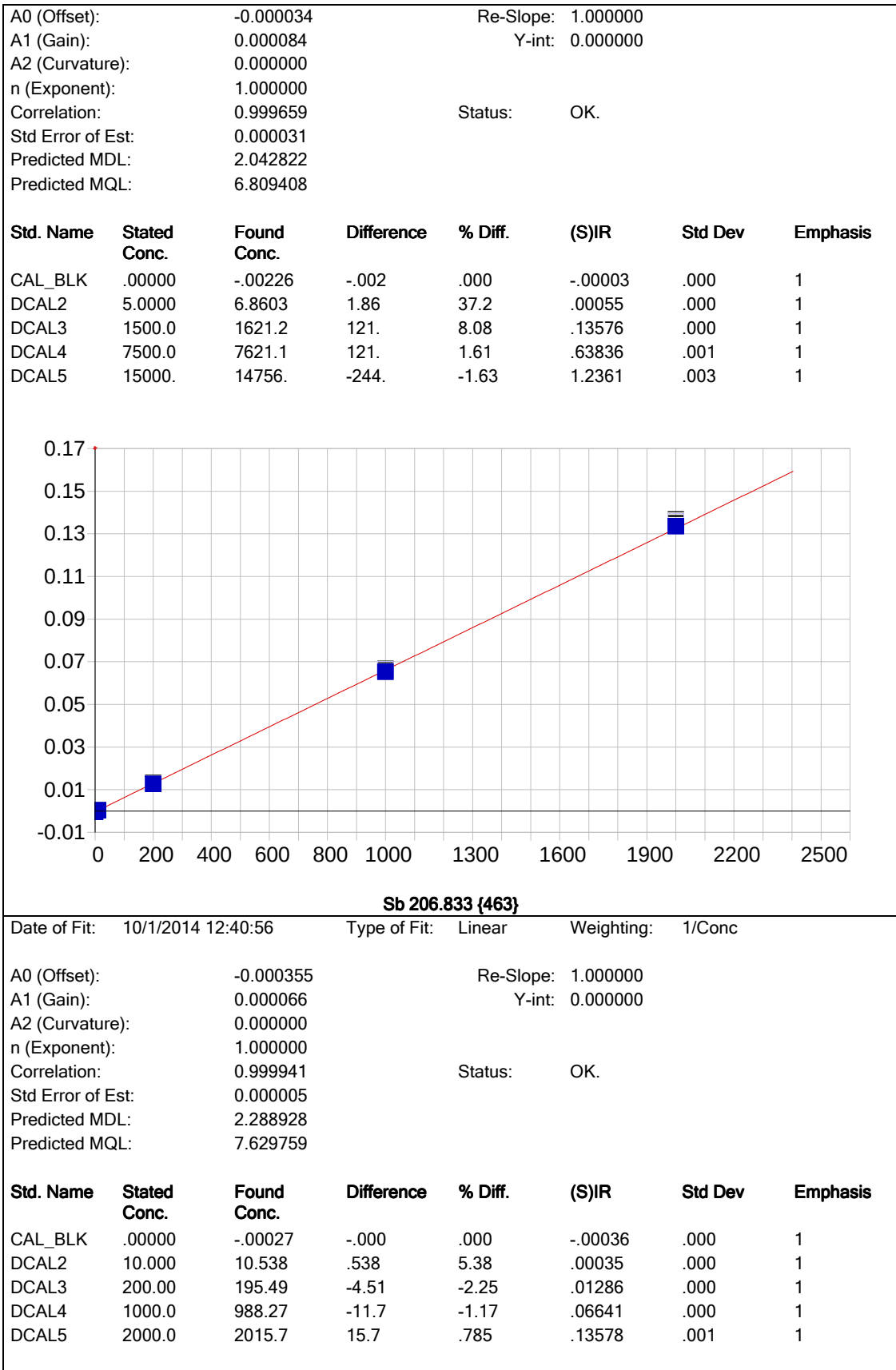
A0 (Offset): 0.000016 Re-Slope: 1.000000
 A1 (Gain): 0.000149 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999676 Status: OK.
 Std Error of Est: 0.000042
 Predicted MDL: 0.997114
 Predicted MQL: 3.323714

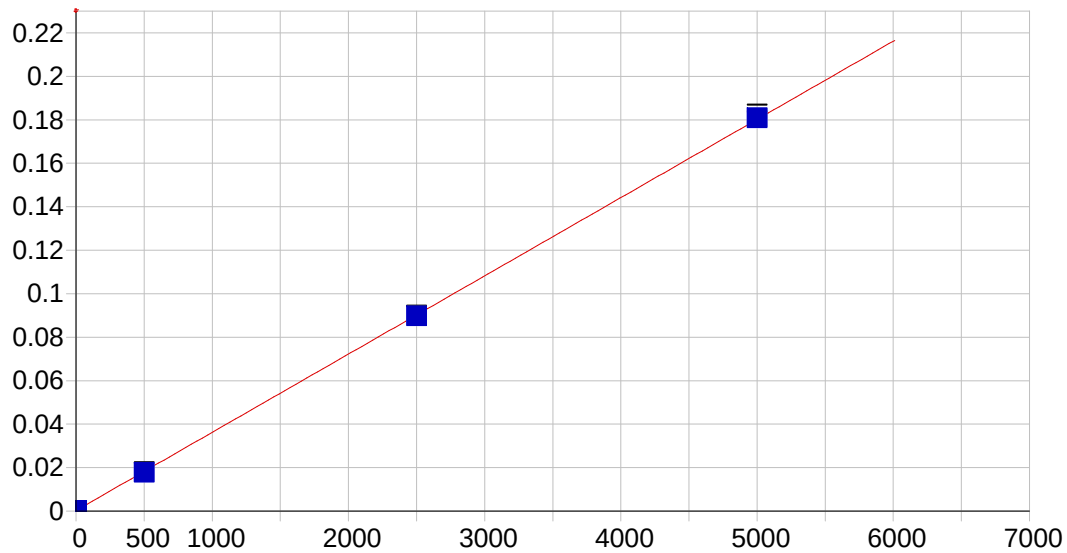
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00314	-.003	.000	.00002	.000	1
DCAL1	10.000	11.309	1.31	13.1	.00170	.000	1
DCAL2	40.000	44.485	4.49	11.2	.00663	.000	1
DCAL3	500.00	535.83	35.8	7.17	.07969	.000	1
DCAL4	2500.0	2540.1	40.1	1.60	.37774	.001	1
DCAL5	5000.0	4918.3	-81.7	-1.63	.73141	.001	1



Pb 220.353 {453}

Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc



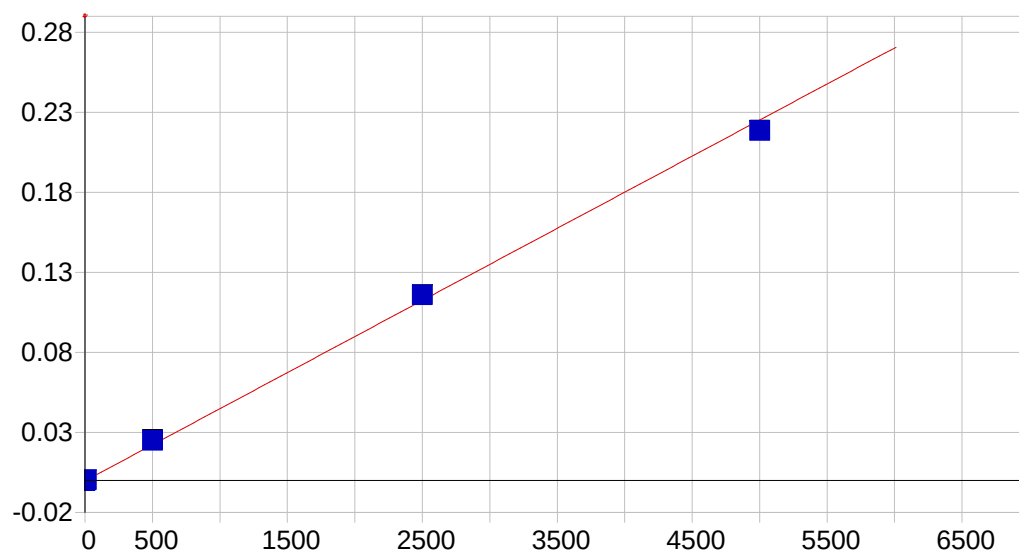


Se 196.090 {472}

Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000262 Re-Slope: 1.000000
 A1 (Gain): 0.000036 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999926 Status: OK.
 Std Error of Est: 0.000004
 Predicted MDL: 3.579893
 Predicted MQL: 11.932978

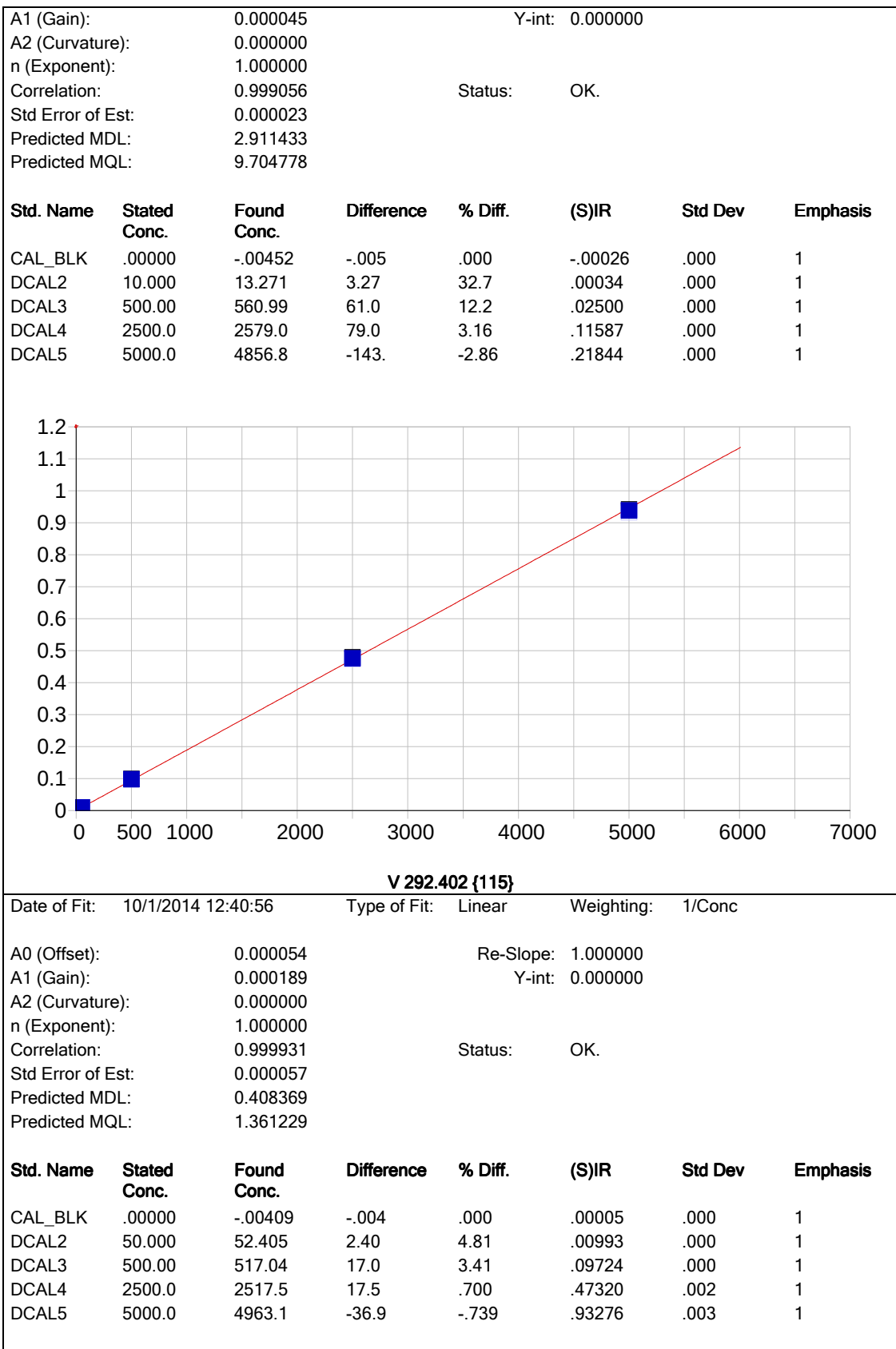
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00200	.002	.000	.00026	.000	1
DCAL2	5.0000	3.1273	-1.87	-37.5	.00038	.000	1
DCAL3	500.00	487.19	-12.8	-2.56	.01776	.000	1
DCAL4	2500.0	2490.9	-9.12	-.365	.08972	.000	1
DCAL5	5000.0	5023.8	23.8	.476	.18069	.002	1

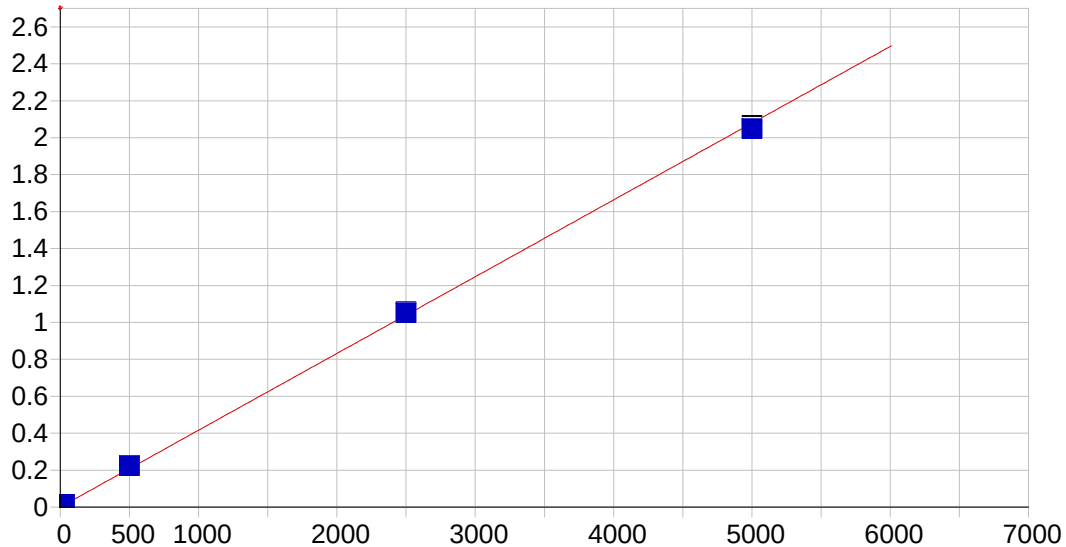


TI 190.856 {477}

Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000263 Re-Slope: 1.000000



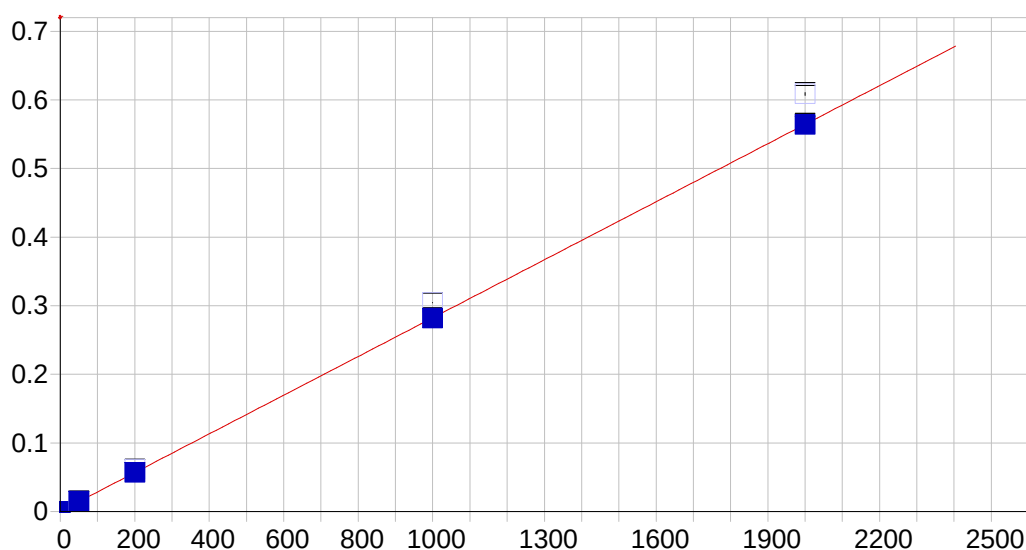


Zn 206.200 {463}

Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc

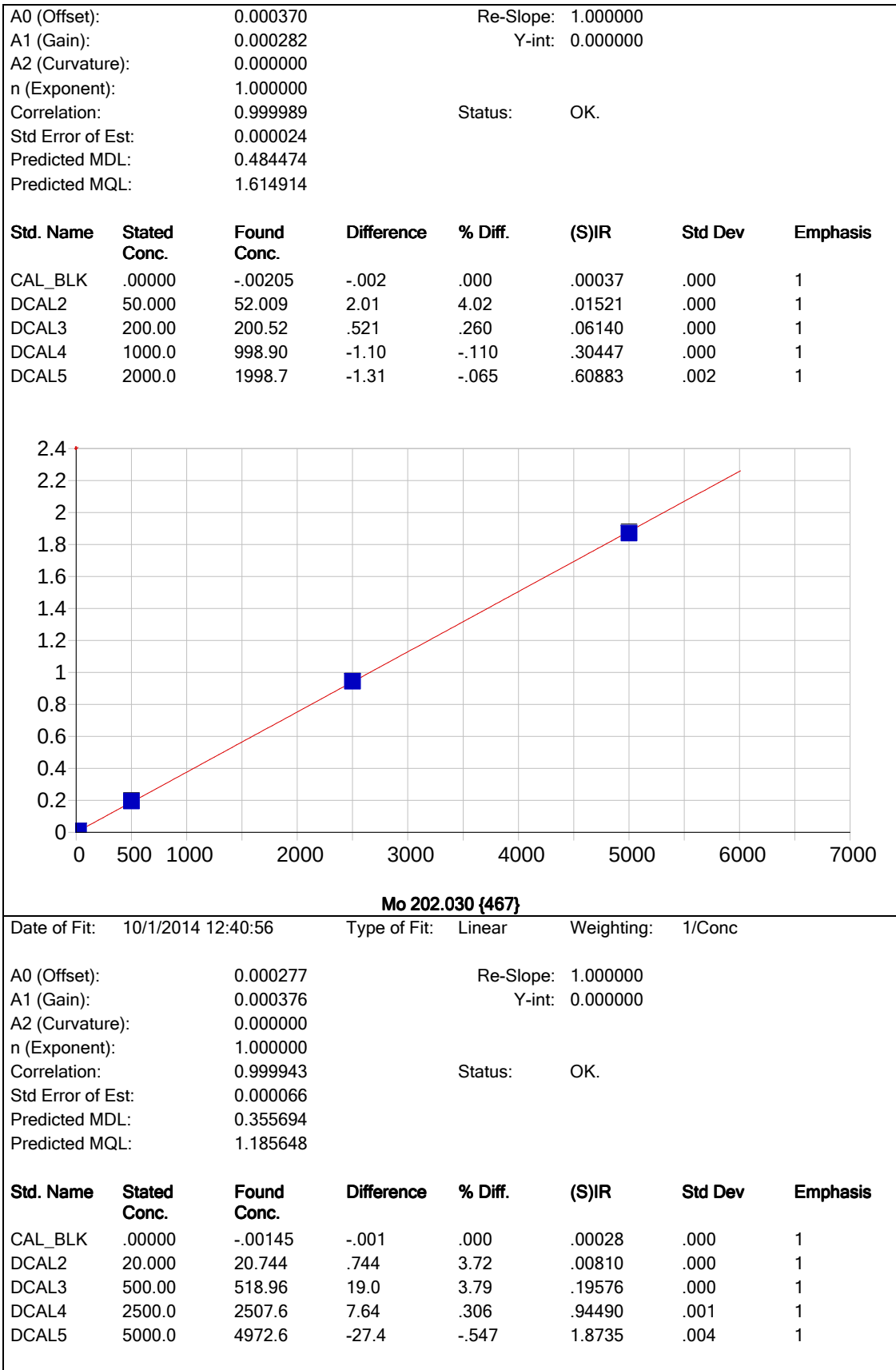
A0 (Offset): 0.000702 Re-Slope: 1.000000
 A1 (Gain): 0.000416 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999696 Status: OK.
 Std Error of Est: 0.000113
 Predicted MDL: 0.379282
 Predicted MQL: 1.264273

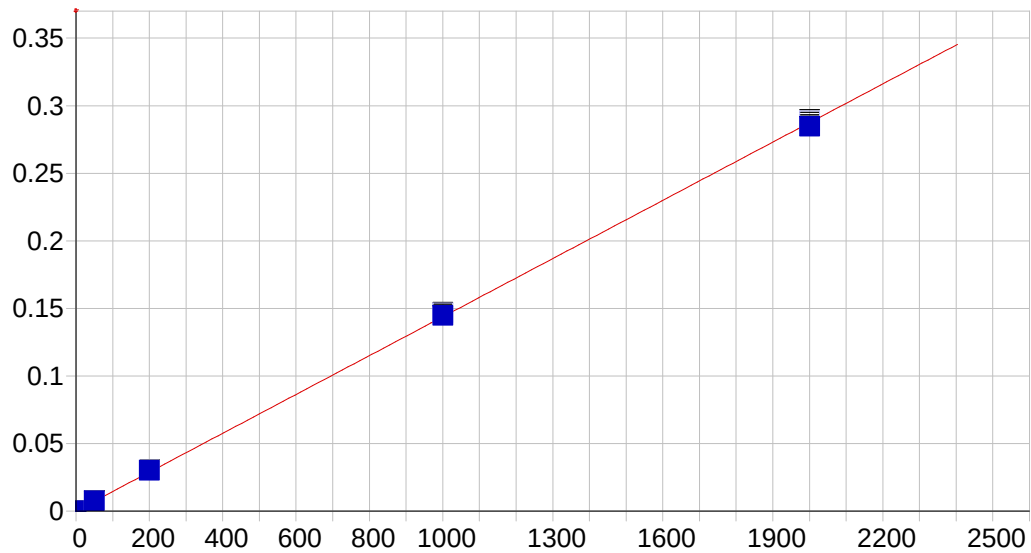
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-0.00317	-.003	.000	.00070	.000	1
DCAL2	30.000	34.492	4.49	15.0	.01504	.000	1
DCAL3	500.00	536.63	36.6	7.33	.22394	.001	1
DCAL4	2500.0	2531.0	31.0	1.24	1.0536	.002	1
DCAL5	5000.0	4926.9	-73.1	-1.46	2.0505	.015	1
DCAL1	10.000	10.965	.965	9.65	.00526	.000	1



B 208.959 {461}

Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc



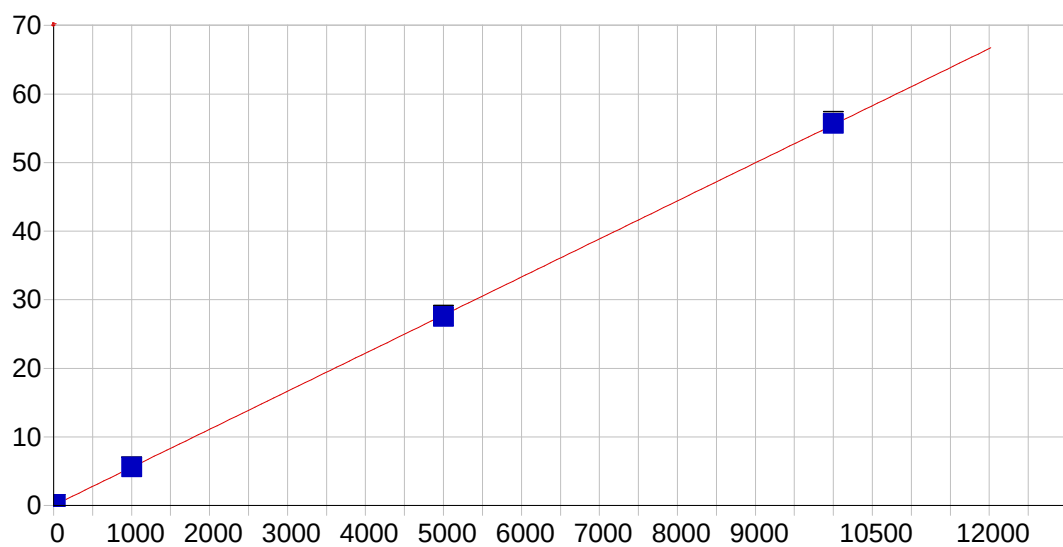


Sn 189.989 {477}

Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000122 Re-Slope: 1.000000
 A1 (Gain): 0.000144 Y-int: 0.000000
 A2 (Curvature): 0.000000
 n (Exponent): 1.000000
 Correlation: 0.999890 Status: OK.
 Std Error of Est: 0.000035
 Predicted MDL: 1.059839
 Predicted MQL: 3.532795

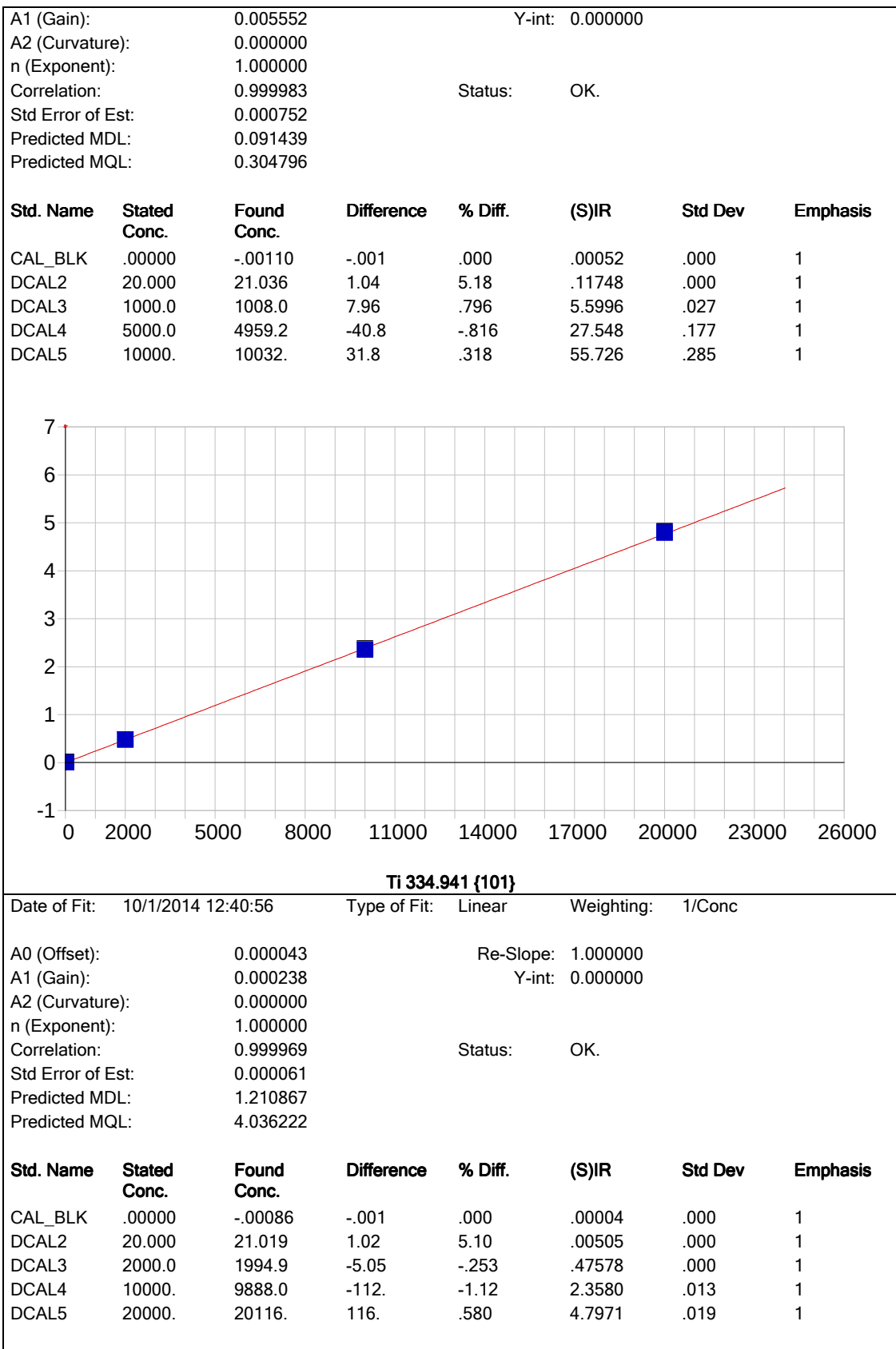
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00456	-.005	.000	.00012	.000	1
DCAL2	50.000	52.411	2.41	4.82	.00766	.000	1
DCAL3	200.00	209.10	9.10	4.55	.03055	.000	1
DCAL4	1000.0	1006.4	6.38	.638	.14664	.000	1
DCAL5	2000.0	1982.1	-17.9	-.893	.28875	.001	1

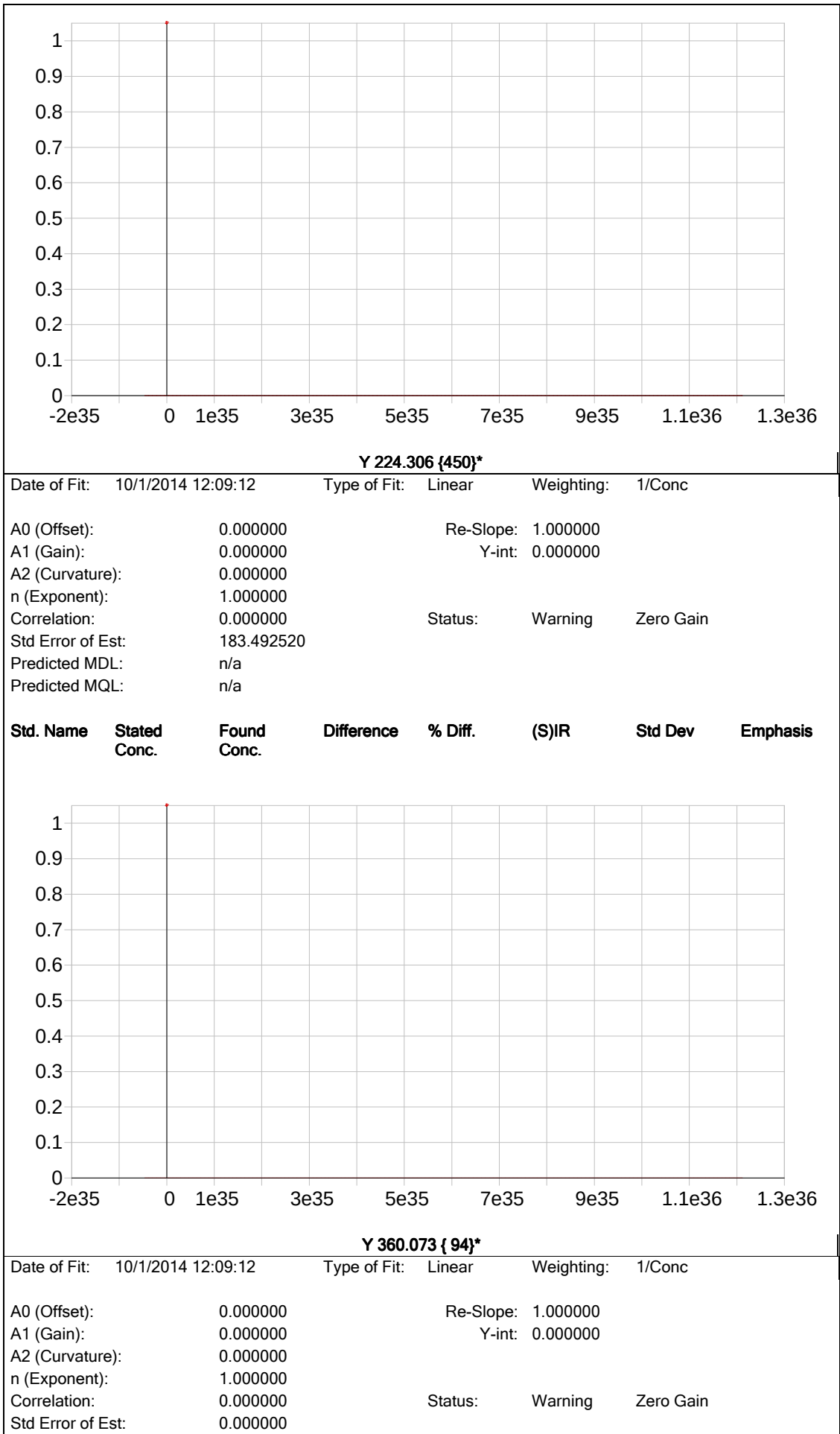


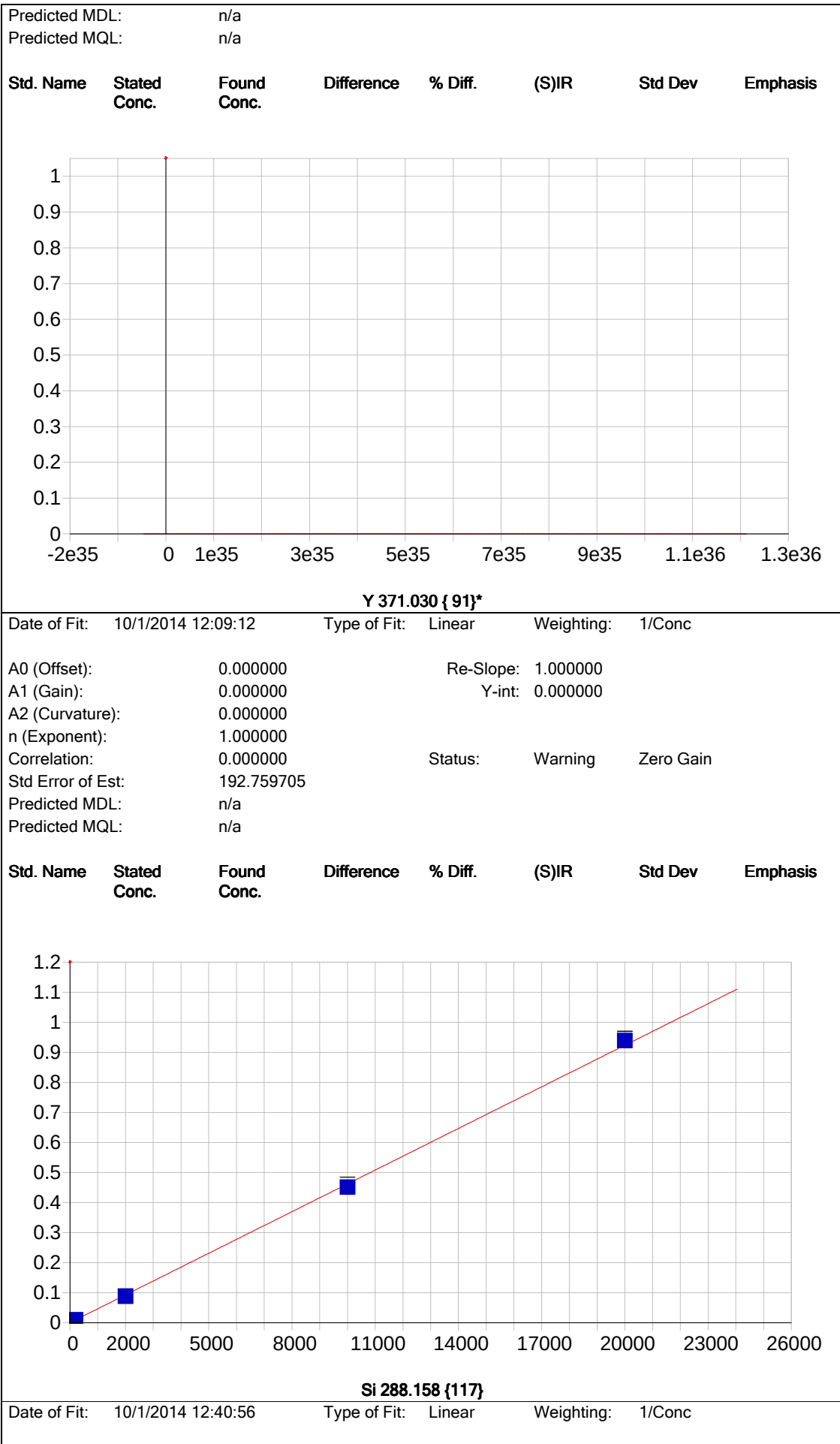
Sr 407.771 {83}

Date of Fit: 10/1/2014 12:40:56 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000530 Re-Slope: 1.000000







A0 (Offset):	0.000475	Re-Slope:	1.000000
A1 (Gain):	0.000046	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999728	Status:	OK.
Std Error of Est:	0.000111		
Predicted MDL:	14.982356		
Predicted MQL:	49.941186		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.01138	.011	.000	.00048	.000	1
DCAL2	200.00	200.97	.967	.483	.00975	.000	1
DCAL3	2000.0	1888.7	-111.	-5.56	.08758	.001	1
DCAL4	10000.	9767.3	-233.	-2.33	.45093	.009	1
DCAL5	20000.	20343.	343.	1.71	.93870	.006	1

Sample Name: CAL_BLK Acquired: 10/1/2014 12:18:55 Type: Cal
Method: 10012014(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0014	-.0004	.0001	.0001	-.0005	.0015
Stddev	.0001	.0000	.0000	.0001	.0001	.0000
%RSD	5.489	5.724	13.43	167.2	13.65	2.044

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0005	.0001	.0000	.0004	.0000	-.0007
Stddev	.0001	.0001	.0000	.0001	.0000	.0006
%RSD	18.82	249.7	41.73	32.21	48.28	79.14

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0000	.0022	.0000	-.0000	-.0004
Stddev	.0000	.0000	.0003	.0001	.0000	.0001
%RSD	52.20	119.3	11.27	545.3	80.74	16.89

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	-.0003	.0001	.0007	.0004	.0003
Stddev	.0001	.0001	.0000	.0001	.0001	.0001
%RSD	46.14	51.39	81.09	15.73	31.03	32.52

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0005	.0000	.0005
Stddev	.0001	.0005	.0004	.0001
%RSD	80.65	95.07	917.6	24.89

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3822.5	48963.	11890.
Stddev	8.6	423.	243.
%RSD	.22496	.86431	2.0398

Sample Name: DCAL1 Acquired: 10/1/2014 12:22:42 Type: Cal
 Method: 10012014(v2) Mode: IR Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Cu3247	Fe2714	Ni2316	Zn2062
Line	324.754 {104}	271.441 {124}	231.604 {446}	206.200 {463}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0014	.0007	.0017	.0053
Stddev	.0001	.0000	.0001	.0001
%RSD	8.436	3.714	8.639	1.531

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3880.3	49435.	12113.
Stddev	35.0	181.	98.
%RSD	.90085	.36635	.80627

Sample Name: DCAL2 Acquired: 10/1/2014 12:26:30 Type: Cal
Method: 10012014(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0058	-.0001	.0019	.0882	.0041	.0646
Stddev	.0000	.0000	.0000	.0002	.0001	.0002
%RSD	.5036	16.78	1.893	.2363	3.361	.3517

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0033	.0306	.0009	.0028	.0023	.1702
Stddev	.0001	.0002	.0000	.0002	.0001	.0015
%RSD	4.397	.5607	.4039	6.929	2.402	.9060

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0508	.0103	.6139	.0066	.0005	.0004
Stddev	.0004	.0000	.0021	.0002	.0002	.0002
%RSD	.8215	.4257	.3426	3.399	34.38	45.66

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	.0003	.0099	.0150	.0152	.0081
Stddev	.0001	.0001	.0001	.0002	.0002	.0001
%RSD	35.08	43.03	1.202	1.179	1.213	1.329

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0077	.1175	.0051	.0098
Stddev	.0002	.0003	.0003	.0004
%RSD	2.825	.2729	5.682	3.795

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3765.5	48955.	12193.
Stddev	15.6	327.	113.
%RSD	.41325	.66796	.92934

Sample Name: DCAL3 Acquired: 10/1/2014 12:30:16 Type: Cal
Method: 10012014(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.8232	.0238	.0472	.8748	.4679	.3122
Stddev	.0012	.0001	.0003	.0005	.0020	.0012
%RSD	.1426	.3901	.6121	.0565	.4296	.3825

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2300	.3023	.0828	.2436	.1389	.3398
Stddev	.0006	.0004	.0003	.0007	.0003	.0021
%RSD	.2787	.1483	.3603	.3045	.2185	.6326

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2547	.6373	3.031	.0797	.1358	.0129
Stddev	.0014	.0018	.015	.0002	.0002	.0001
%RSD	.5670	.2826	.4836	.3125	.1635	1.089

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0178	.0250	.0972	.2239	.0614	.1958
Stddev	.0002	.0003	.0001	.0008	.0000	.0003
%RSD	1.235	1.200	.1408	.3716	.0405	.1457

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0305	5.600	.4758	.0876
Stddev	.0002	.027	.0003	.0007
%RSD	.6760	.4790	.0562	.8033

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3774.1	48287.	12344.
Stddev	14.8	94.	116.
%RSD	.39170	.19427	.93737

Sample Name: DCAL4 Acquired: 10/1/2014 12:33:49 Type: Cal
Method: 10012014(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4.138	.1222	.2412	4.152	2.286	1.526
Stddev	.014	.0003	.0012	.001	.028	.011
%RSD	.3367	.2143	.4893	.0341	1.233	.7438

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.090	1.435	.3952	1.210	.6483	1.770
Stddev	.001	.003	.0022	.001	.0036	.002
%RSD	.0889	.1739	.5534	.0770	.5503	.1215

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.239	3.023	15.50	.3777	.6384	.0664
Stddev	.009	.013	.02	.0006	.0014	.0001
%RSD	.7575	.4324	.1345	.1713	.2140	.2159

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0897	.1159	.4732	1.054	.3045	.9449
Stddev	.0003	.0002	.0022	.002	.0002	.0010
%RSD	.2952	.2145	.4637	.2046	.0697	.1038

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1466	27.55	2.358	.4509
Stddev	.0005	.18	.013	.0088
%RSD	.3115	.6429	.5588	1.959

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3542.5	45810.	11990.
Stddev	11.4	132.	309.
%RSD	.32231	.28786	2.5733

Sample Name: DCAL5 Acquired: 10/1/2014 12:37:24 Type: Cal
Method: 10012014(v2) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	8.517	.2487	.4943	8.034	4.574	3.053
Stddev	.025	.0009	.0015	.012	.018	.020
%RSD	.2914	.3800	.2971	.1429	.4006	.6386

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.121	2.798	.7735	2.475	1.259	3.691
Stddev	.003	.002	.0047	.009	.006	.007
%RSD	.1277	.0645	.6051	.3481	.4840	.1973

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.420	5.843	31.36	.7314	1.236	.1358
Stddev	.016	.030	.51	.0011	.003	.0008
%RSD	.6461	.5200	1.612	.1471	.2026	.6006

Elem	Se196	Ti1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1807	.2184	.9328	2.050	.6088	1.873
Stddev	.0016	.0001	.0025	.015	.0021	.004
%RSD	.8814	.0531	.2689	.7224	.3475	.2167

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2888	55.73	4.797	.9387
Stddev	.0010	.28	.019	.0062
%RSD	.3310	.5112	.4051	.6571

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3370.2	43932.	11868.
Stddev	19.2	91.	77.
%RSD	.56855	.20824	.64701

Sample Name: ICV Acquired: 10/1/2014 12:41:03 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123800.	2530.	1242.	10280.	1023.	125500.
Stddev	559.	2.	8.	8.	7.	695.
%RSD	.4518	.0838	.6764	.0820	.7321	.5541

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1288.	2550.	5096.	12570.	102400.	49680.
Stddev	2.	4.	26.	36.	520.	28.
%RSD	.1816	.1573	.5030	.2834	.5078	.0570

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127300.	5144.	126000.	2566.	7726.	1009.
Stddev	555.	28.	480.	9.	5.	1.
%RSD	.4363	.5467	.3812	.3506	.0699	.1077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2531.	2607.	2536.	2547.	1031.	2559.
Stddev	12.	4.	12.	7.	4.	1.
%RSD	.4615	.1446	.4709	.2745	.3556	.0544

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 10/1/2014 12:41:03 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1018.	5088.	10070.	10070.
Stddev	6.	48.	42.	41.
%RSD	.5539	.9501	.4174	.4080

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3499.5	45613.	12039.
Stddev	5.9	115.	107.
%RSD	.16766	.25320	.89092

Sample Name: ICB Acquired: 10/1/2014 12:44:37 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.110	1.128	.0350	.5884	.0050	6.183
Stddev	4.886	1.278	.2216	.1472	.0470	10.43
%RSD	53.64	113.3	632.5	25.01	936.7	168.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0571	.1160	.2045	3.567	8.724	54.36
Stddev	.0638	.1287	.1574	2.184	12.47	20.69
%RSD	111.8	111.0	76.95	61.23	143.0	38.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.628	.4728	39.94	.7842	.0608	-1.445
Stddev	5.463	.1021	14.38	.6597	.8336	.416
%RSD	71.62	21.59	36.00	84.12	1370.	28.83

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.607	2.358	.2141	-.0572	3.648	1.849
Stddev	1.820	1.984	.2625	.2811	.769	.135
%RSD	113.3	84.12	122.6	491.0	21.09	7.274

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 10/1/2014 12:44:37 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5439	.2809	2.317	.9391
Stddev	.4454	.1984	.866	9.430
%RSD	81.88	70.63	37.37	1004.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3859.7	49533.	11953.
Stddev	23.4	374.	189.
%RSD	.60730	.75533	1.5851

Sample Name: IC5A 3180495 Acquired: 10/1/2014 12:48:26 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	517900.	.6630	-3.791	-1.613	-1.116	511200.
Stddev	2134.	3.145	.241	.385	.039	11020.
%RSD	.4120	474.4	6.359	23.90	3.472	2.155

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.943	-2.923	-.1727	-1.782	197200.	-38.98
Stddev	.614	.468	.2767	1.858	3328.	25.05
%RSD	31.62	16.02	160.2	104.2	1.688	64.26

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504000.	-.9058	-36.56	4.254	-.3182	.9906
Stddev	7958.	.1609	4.55	1.943	3.561	10.49
%RSD	1.579	17.77	12.45	45.68	1119.	1059.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.750	-2.316	-.1471	2.294	.8758	-3.015
Stddev	7.987	4.077	.3273	.799	.9144	.624
%RSD	456.3	176.0	222.5	34.82	104.4	20.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICESA 3180495 Acquired: 10/1/2014 12:48:26 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.663	-3.197	.2197	2.110
Stddev	2.143	.133	1.564	2.702
%RSD	128.9	4.150	711.9	128.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3364.4	43095.	11313.
Stddev	27.0	251.	121.
%RSD	.80109	.58227	1.0708

Sample Name: ICSAB 3180508 Acquired: 10/1/2014 12:52:21 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	512400.	101.5	100.7	101.9	99.61	498900.
Stddev	3173.	3.4	.6	.5	.68	3834.
%RSD	.6192	3.330	.6234	.4491	.6800	.7685

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98.62	92.72	98.26	101.1	193400.	10400.
Stddev	.53	.23	1.10	2.2	1314.	25.
%RSD	.5345	.2530	1.122	2.191	.6792	.2394

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	490800.	100.6	10430.	97.52	97.68	94.97
Stddev	3398.	.9	17.	1.24	1.60	3.99
%RSD	.6923	.8894	.1607	1.272	1.635	4.196

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	96.03	92.48	100.2	95.08	101.7	95.01
Stddev	4.10	5.75	1.4	.61	.8	.62
%RSD	4.273	6.218	1.356	.6410	.7509	.6573

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 3180508 Acquired: 10/1/2014 12:52:21 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	95.78	102.7	102.6	75.70
Stddev	2.08	.1	.7	17.39
%RSD	2.174	.1299	.6457	22.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3318.2	43372.	11625.
Stddev	6.6	48.	135.
%RSD	.19751	.10961	1.1607

Sample Name: INT-10 3180511 Acquired: 10/1/2014 12:56:12 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-68.94	-1.650	.3057	1.381	.2280	6.640
Stddev	15.87	1.063	.3925	.405	.0730	19.02
%RSD	23.03	64.41	128.4	29.34	32.00	286.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6796	10800.	10420.	-1.373	-34.64	27.38
Stddev	.1819	10.	100.	.810	33.42	19.98
%RSD	26.76	.0953	.9638	59.02	96.49	72.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	119.7	10330.	47.78	10700.	-.8180	-18.31
Stddev	11.8	83.	6.08	17.	1.824	.31
%RSD	9.857	.8068	12.73	.1564	223.0	1.698

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.305	-1.720	5076.	-10.44	1.196	5181.
Stddev	1.857	2.332	23.	.26	.863	14.
%RSD	35.00	135.6	.4478	2.503	72.11	.2716

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10 3180511 Acquired: 10/1/2014 12:56:12 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10580.	9809.	9998.	9899.
Stddev	22.	55.	25.	215.
%RSD	.2094	.5589	.2472	2.175

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3776.0	49583.	12228.
Stddev	17.7	169.	159.
%RSD	.46895	.34150	1.3029

Sample Name: 460-83105-d-3-b du Acquired: 10/1/2014 13:00:00 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.54	.7503	.1951	52.52	-.0037	48720.
Stddev	5.05	1.535	.0610	.27	.0283	542.
%RSD	19.01	204.7	31.29	.5138	766.3	1.113

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1966	1.740	1.895	5.887	69.88	4008.
Stddev	.1050	.531	.524	2.132	2.82	35.
%RSD	53.42	30.53	27.63	36.21	4.035	.8760

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7899.	147.1	51450.	26.26	-.1491	-.0886
Stddev	75.	.6	50.	.73	1.528	.5515
%RSD	.9550	.4289	.0977	2.769	1025.	622.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1854	.1913	.5789	4.991	56.98	4.176
Stddev	1.642	2.383	.1761	.233	.58	1.267
%RSD	885.3	1245.	30.41	4.663	1.017	30.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83105-d-3-b du Acquired: 10/1/2014 13:00:00 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.9060	238.4	4.631	5066.
Stddev	.1370	.1	1.152	128.
%RSD	15.13	.0593	24.87	2.525

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3666.7	47572.	11999.
Stddev	31.1	213.	214.
%RSD	.84864	.44728	1.7829

Sample Name: 460-83105-d-3-a Acquired: 10/1/2014 13:03:44 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26.17	1.446	-.0954	54.37	.0379	50910.
Stddev	4.78	2.553	.6225	.46	.0753	611.
%RSD	18.25	176.6	652.7	.8441	198.9	1.201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2752	1.398	2.214	2.013	103.2	4181.
Stddev	.1068	.319	.568	4.164	3.0	44.
%RSD	38.82	22.82	25.67	206.8	2.940	1.048

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8201.	153.1	53740.	27.19	-.8597	-.3914
Stddev	58.	.8	220.	.46	.9350	1.634
%RSD	.7026	.5521	.4102	1.692	108.8	417.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8789	-.1542	.2101	4.432	59.46	1.664
Stddev	2.866	1.692	.0588	.115	.39	.734
%RSD	326.1	1097.	28.00	2.603	.6604	44.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83105-d-3-a Acquired: 10/1/2014 13:03:44 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1031	248.3	3.742	5284.
Stddev	.4472	.1	.211	67.
%RSD	433.9	.0446	5.637	1.259

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3663.9	47458.	11984.
Stddev	16.0	89.	220.
%RSD	.43533	.18843	1.8392

Sample Name: sd 460-83105-d-3-a@5 Acquired: 10/1/2014 13:07:29 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.757	.5520	-.0650	10.34	.0130	9657.
Stddev	.939	1.566	.2059	.25	.0731	22.
%RSD	9.626	283.7	316.5	2.413	561.4	.2309

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0333	.5034	.6915	1.434	11.92	780.0
Stddev	.1465	.1667	.3753	2.734	6.53	4.5
%RSD	440.0	33.11	54.28	190.6	54.74	.5791

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1541.	29.53	10060.	4.829	.7307	.1890
Stddev	10.	.02	18.	.674	1.658	2.394
%RSD	.6454	.0769	.1835	13.95	227.0	1267.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.009	-.1610	.0717	2.372	11.58	.4573
Stddev	1.564	1.729	.0669	.410	.02	.3961
%RSD	155.0	1074.	93.39	17.29	.1779	86.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-83105-d-3-a@5 Acquired: 10/1/2014 13:07:29 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0066	48.02	1.957	983.9
Stddev	1.144	.13	.164	10.1
%RSD	17220.	.2621	8.380	1.023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3784.0	49080.	12054.
Stddev	6.8	134.	71.
%RSD	.17847	.27338	.58722

Sample Name: 460-83105-d-3-c ms Acquired: 10/1/2014 13:11:16 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1982.	1985.	48.37	2177.	51.20	69020.
Stddev	18.	7.	.24	5.	.46	1122.
%RSD	.9031	.3277	.4903	.2156	.9041	1.625

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.89	519.1	206.2	254.5	1074.	23240.
Stddev	.30	1.2	1.6	.5	12.	66.
%RSD	.5739	.2291	.7984	.1915	1.142	.2826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28160.	671.6	71990.	552.8	533.1	493.4
Stddev	252.	6.3	64.	1.6	1.3	2.5
%RSD	.8957	.9341	.0889	.2963	.2502	.5046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1956.	2156.	514.1	524.0	565.0	521.6
Stddev	12.	11.	2.6	3.1	2.5	2.6
%RSD	.5882	.5093	.4966	.5965	.4423	.4969

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83105-d-3-c.ms Acquired: 10/1/2014 13:11:16 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	525.8	739.6	513.3	5263.
Stddev	.8	1.5	2.3	54.
%RSD	.1473	.2015	.4504	1.028

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3612.3	47095.	12110.
Stddev	37.4	16.	152.
%RSD	1.0353	.03300	1.2537

Sample Name: pds 460-83105-d-3-a Acquired: 10/1/2014 13:14:52 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1955.	1961.	52.66	2148.	50.73	69660.
Stddev	12.	9.	.51	8.	.44	478.
%RSD	.5954	.4572	.9692	.3528	.8668	.6857

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.48	512.7	206.4	249.5	1124.	23100.
Stddev	.23	2.6	1.5	3.2	5.	64.
%RSD	.4407	.5086	.7297	1.273	.4265	.2759

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	28230.	670.5	71940.	547.9	524.3	470.2
Stddev	60.	1.6	484.	2.9	3.6	4.2
%RSD	.2116	.2319	.6731	.5316	.6859	.8940

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1925.	2137.	511.1	527.6	561.6	514.2
Stddev	17.	14.	1.7	2.4	3.8	2.0
%RSD	.8713	.6395	.3309	.4484	.6734	.3828

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-83105-d-3-a Acquired: 10/1/2014 13:14:52 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	519.1	737.3	505.4	5331.
Stddev	3.1	3.4	3.5	36.
%RSD	.5904	.4575	.6942	.6711

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3618.8	46633.	12023.
Stddev	33.2	123.	42.
%RSD	.91668	.26434	.35168

Sample Name: 460-83105-d-2-b Acquired: 10/1/2014 13:18:28 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.13	1.650	-.0274	53.58	.0340	49190.
Stddev	5.34	.888	.0300	.36	.0204	257.
%RSD	37.81	53.85	109.5	.6797	59.95	.5232

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1551	1.022	.6172	1.535	23.06	4102.
Stddev	.0839	.264	.3058	1.801	9.52	4.
%RSD	54.06	25.82	49.55	117.3	41.30	.0868

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8036.	155.5	52270.	26.50	-.9000	.8723
Stddev	7.	.9	169.	.79	.7678	2.508
%RSD	.0896	.6099	.3231	2.990	85.31	287.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.8946	-1.548	.2484	1.916	58.95	1.144
Stddev	.8498	1.873	.3405	.224	.42	.228
%RSD	95.00	120.9	137.1	11.68	.7177	19.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83105-d-2-b Acquired: 10/1/2014 13:18:28 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9854	244.2	2.907	5227.
Stddev	.6238	.6	1.015	52.
%RSD	63.30	.2608	34.93	.9855

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3648.6	47536.	12295.
Stddev	31.6	59.	64.
%RSD	.86579	.12368	.52031

Sample Name: lcs 460-252340/2-a Acquired: 10/1/2014 13:22:12 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1957.	1958.	47.66	2141.	50.76	19600.
Stddev	20.	6.	.16	8.	.23	98.
%RSD	1.041	.2981	.3387	.3579	.4454	.5017

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.53	523.8	205.7	251.5	1043.	18890.
Stddev	.41	1.9	.9	1.5	6.	75.
%RSD	.7890	.3631	.4246	.5774	.5687	.3955

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20340.	526.4	19720.	535.5	538.6	491.5
Stddev	68.	.9	89.	.9	2.3	3.2
%RSD	.3333	.1669	.4521	.1594	.4283	.6455

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1948.	2212.	513.2	523.2	504.0	524.4
Stddev	4.	9.	1.7	1.6	2.3	1.7
%RSD	.2042	.4176	.3232	.3063	.4638	.3196

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-252340/2-a Acquired: 10/1/2014 13:22:12 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	525.9	504.9	506.5	58.28
Stddev	1.3	1.4	1.2	7.66
%RSD	.2533	.2688	.2336	13.14

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3685.3	48367.	12326.
Stddev	7.9	120.	86.
%RSD	.21556	.24739	.69637

Sample Name: CCV Acquired: 10/1/2014 13:25:49 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123300.	2511.	1234.	10280.	1015.	125700.
Stddev	155.	4.	9.	14.	9.	1941.
%RSD	.1259	.1484	.7101	.1386	.8388	1.545

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1285.	2546.	5093.	12470.	102200.	49420.
Stddev	6.	5.	57.	29.	1177.	41.
%RSD	.4566	.1794	1.120	.2356	1.151	.0829

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	5159.	125300.	2568.	7748.	1002.
Stddev	1056.	61.	295.	10.	26.	2.
%RSD	.8370	1.180	.2357	.4034	.3393	.2085

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2530.	2595.	2529.	2546.	1024.	2552.
Stddev	5.	5.	19.	20.	1.	6.
%RSD	.1953	.1978	.7492	.8007	.0566	.2539

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/1/2014 13:25:49 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1019.	5122.	10090.	10050.
Stddev	5.	52.	40.	70.
%RSD	.4597	1.006	.4002	.6933

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3511.7	45877.	12160.
Stddev	12.7	161.	179.
%RSD	.36242	.35111	1.4738

Sample Name: CCB Acquired: 10/1/2014 13:29:25 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.676	2.310	-.2376	.4534	.0412	-10.29
Stddev	7.828	1.219	.1459	.5549	.0514	6.70
%RSD	90.23	52.76	61.40	122.4	124.7	65.06

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1201	.0266	.2722	1.583	4.755	28.72
Stddev	.2665	.2111	.0623	.759	5.291	7.07
%RSD	222.0	794.6	22.89	47.93	111.3	24.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.785	.2317	22.90	-.0892	.7043	1.161
Stddev	7.027	.1579	8.23	.9110	.7994	1.361
%RSD	121.5	68.16	35.94	1021.	113.5	117.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5421	-.2432	.0596	-.0995	2.459	1.399
Stddev	3.459	2.116	.6318	.1012	.257	.776
%RSD	638.1	870.2	1059.	101.7	10.43	55.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/1/2014 13:29:25 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4408	.2080	1.744	19.48
Stddev	.6362	.1947	.547	12.62
%RSD	144.3	93.57	31.38	64.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3853.4	49972.	12027.
Stddev	1.2	118.	58.
%RSD	.03109	.23587	.48362

Sample Name: mb 460-252340/1-a Acquired: 10/1/2014 13:33:15 Type: QC

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.226	-.7099	-.0585	.2683	.0284	6.121
Stddev	4.362	2.358	.1338	.2468	.0366	1.441
%RSD	83.47	332.1	228.6	91.96	129.0	23.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0663	-.3263	.5523	1.011	10.48	.0760
Stddev	.0112	.1861	.0511	.567	5.58	9.821
%RSD	16.87	57.04	9.253	56.10	53.30	12920.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.296	.2191	8.598	-.4159	-.1039	1.971
Stddev	4.281	.0309	2.880	1.012	.8752	.973
%RSD	129.9	14.12	33.50	243.4	842.3	49.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.698	-.3654	.5332	.7087	3.566	.0652
Stddev	2.569	1.231	.3515	.2814	.580	.0282
%RSD	151.3	337.0	65.93	39.71	16.26	43.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-252340/1-a Acquired: 10/1/2014 13:33:15 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4205	.1114	.3206	15.18
Stddev	.3287	.1290	.4110	1.47
%RSD	78.16	115.8	128.2	9.655

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3847.7	49689.	12147.
Stddev	14.0	92.	207.
%RSD	.36359	.18517	1.7058

Sample Name: IC5A 3180495 Acquired: 10/1/2014 13:37:02 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	509900.	-3.261	-3.701	-1.560	-1.070	506300.
Stddev	1992.	4.385	.361	.609	.011	3445.
%RSD	.3906	134.5	9.746	39.05	.9958	.6803

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.534	-2.693	-.0753	-2.301	195700.	-32.70
Stddev	.506	.422	.4809	4.119	984.	14.85
%RSD	19.98	15.67	638.9	179.0	.5027	45.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	497800.	-1.116	-42.52	3.764	-3.456	-7.460
Stddev	2166.	.163	3.19	1.151	2.584	5.505
%RSD	.4352	14.59	7.498	30.58	74.78	73.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3689	.1745	.3015	2.365	-1.007	-2.227
Stddev	7.151	4.887	.4455	1.298	1.096	.467
%RSD	1939.	2801.	147.7	54.88	108.8	20.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICESA 3180495 Acquired: 10/1/2014 13:37:02 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.318	-3.217	.0218	6.756
Stddev	2.267	.067	.6920	1.882
%RSD	172.0	2.088	3177.	27.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3353.3	43329.	11666.
Stddev	10.1	122.	87.
%RSD	.30169	.28210	.74405

Sample Name: CCV Acquired: 10/1/2014 13:44:47 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122900.	2519.	1236.	10290.	1011.	126300.
Stddev	261.	23.	10.	5.	1.	2618.
%RSD	.2120	.9318	.8166	.0512	.1014	2.074

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1287.	2553.	5104.	12370.	102600.	49100.
Stddev	3.	4.	83.	27.	1450.	173.
%RSD	.1996	.1577	1.627	.2153	1.413	.3520

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126000.	5190.	124500.	2578.	7765.	1008.
Stddev	1458.	68.	495.	10.	23.	4.
%RSD	1.157	1.301	.3974	.3924	.2948	.3765

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2520.	2599.	2533.	2562.	1024.	2564.
Stddev	31.	5.	25.	11.	6.	11.
%RSD	1.248	.2062	.9965	.4428	.5921	.4359

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/1/2014 13:44:47 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1022.	5076.	10120.	10070.
Stddev	5.	28.	23.	158.
%RSD	.4734	.5512	.2259	1.572

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3503.2	45881.	12151.
Stddev	20.8	216.	102.
%RSD	.59413	.47180	.83724

Sample Name: CCB Acquired: 10/1/2014 13:48:23 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	8.544	.8057	-.0248	.7664	.0516	-11.01
Stddev	5.657	.8637	.1839	.6821	.0940	6.85
%RSD	66.21	107.2	742.4	89.00	182.3	62.24

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1219	-.2042	.1505	2.250	.8041	29.08
Stddev	.1788	.1491	.1601	.962	.3896	38.00
%RSD	146.6	73.01	106.4	42.77	48.45	130.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.956	.1588	18.50	.2581	-.5448	.7114
Stddev	4.687	.0637	11.65	.0536	1.146	.9524
%RSD	239.7	40.13	62.93	20.75	210.3	133.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.313	.1477	.1441	-.0686	1.975	1.141
Stddev	2.089	3.800	.1831	.5564	.881	.395
%RSD	90.30	2573.	127.1	810.7	44.59	34.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/1/2014 13:48:23 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1744	.1555	1.469	5.783
Stddev	.4816	.2700	.194	3.489
%RSD	276.1	173.7	13.22	60.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3840.8	49925.	12182.
Stddev	13.0	200.	201.
%RSD	.33976	.39995	1.6496

Sample Name: ICSAB 3180508 Acquired: 10/1/2014 13:40:56 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	504400.	99.36	101.0	102.3	98.69	505700.
Stddev	3479.	3.78	.3	.2	.80	4168.
%RSD	.6897	3.809	.3017	.2345	.8109	.8242

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	98.30	92.82	98.77	99.61	195200.	10330.
Stddev	.33	.26	1.16	1.94	1577.	63.
%RSD	.3397	.2751	1.169	1.942	.8076	.6079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	493100.	101.6	10320.	98.32	99.34	90.85
Stddev	3974.	.5	37.	.61	2.87	7.09
%RSD	.8060	.5392	.3568	.6199	2.890	7.800

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	96.67	97.51	100.8	96.99	100.3	94.61
Stddev	2.63	4.60	.6	.69	.5	.34
%RSD	2.722	4.717	.6227	.7085	.5165	.3571

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 3180508 Acquired: 10/1/2014 13:40:56 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	97.17	102.7	102.0	78.89
Stddev	1.27	.8	1.2	7.27
%RSD	1.307	.7640	1.161	9.218

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3337.4	43293.	11773.
Stddev	6.0	149.	104.
%RSD	.17931	.34368	.88369

Sample Name: mb 460-252958/1-a Acquired: 10/1/2014 13:57:30 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9.939	.7466	-.0354	.2133	-.0527	4.526
Stddev	6.201	1.322	.1818	.1770	.0875	5.592
%RSD	62.39	177.0	513.2	82.97	166.2	123.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0353	-.1309	-.0215	.9718	-.8348	-11.27
Stddev	.1587	.1245	.1172	.7860	7.483	12.42
%RSD	449.7	95.15	545.9	80.88	896.5	110.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-5.132	.0046	5.526	.5920	-.4266	1.000
Stddev	3.618	.0507	4.668	1.364	.6033	1.784
%RSD	70.50	1106.	84.48	230.4	141.4	178.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2137	-.5522	.2934	-.2759	.8144	-.1284
Stddev	2.236	1.366	.2693	.3606	.2676	.1068
%RSD	1046.	247.3	91.80	130.7	32.86	83.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-252958/1-a Acquired: 10/1/2014 13:57:30 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3316	.0530	.0968	3.488
Stddev	.2879	.0716	.1662	6.970
%RSD	86.81	135.2	171.7	199.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3866.8	49844.	12102.
Stddev	20.2	206.	138.
%RSD	.52328	.41294	1.1387

Sample Name: Ib 460-252546/1-d@5 Acquired: 10/1/2014 14:01:18 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.522	.2648	.0461	.3631	.0155	.4473
Stddev	7.077	2.334	.2406	.2051	.0526	6.708
%RSD	128.2	881.4	521.7	56.50	338.2	1500.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0891	.0603	.1727	1.264	-5.438	65.31
Stddev	.1870	.2174	.5539	3.138	6.561	34.21
%RSD	209.9	360.3	320.7	248.2	120.6	52.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.182	-.0249	F 268800.	.2985	-2.120	-.3172
Stddev	4.695	.0815	1246.	.7057	1.059	1.993
%RSD	75.94	327.5	.4635	236.4	49.94	628.3

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.763	1.121	.2704	.1369	1.341	-.0796
Stddev	4.465	.423	.2399	.1244	.380	.0506
%RSD	253.2	37.78	88.73	90.89	28.32	63.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-252546/1-d@5 Acquired: 10/1/2014 14:01:18 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0493	.0264	-.0532	21.10
Stddev	.1574	.0740	.8573	13.36
%RSD	319.3	280.4	1613.	63.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3591.4	46386.	12332.
Stddev	9.6	227.	136.
%RSD	.26808	.48980	1.1041

Sample Name: lb 460-252810/1-b@5 Acquired: 10/1/2014 14:05:15 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.350	.8574	-.2232	.2014	-.0155	13.56
Stddev	1.394	1.136	.2570	.1626	.0618	1.52
%RSD	26.06	132.5	115.2	80.71	398.5	11.20

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1180	.0274	.0302	1.057	-6.773	-1.329
Stddev	.1046	.1824	1.017	1.219	8.281	16.19
%RSD	88.65	667.0	3375.	115.3	122.3	1218.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.6618	.0557	51.74	-.4706	.8089	1.610
Stddev	2.704	.0538	18.55	.9665	.8059	.731
%RSD	408.5	96.72	35.85	205.4	99.63	45.41

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4156	-.8288	.2540	4.488	1.004	-.0106
Stddev	4.227	1.954	.3753	.267	.171	.1805
%RSD	1017.	235.8	147.8	5.958	17.07	1702.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-252810/1-b@5 Acquired: 10/1/2014 14:05:15 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0762	-.0340	1.339	9.987
Stddev	1.196	.0233	.432	7.747
%RSD	1569.	68.62	32.28	77.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3837.1	49833.	12242.
Stddev	24.0	89.	114.
%RSD	.62665	.17784	.92789

Sample Name: Ib 460-252809/1-d@5 Acquired: 10/1/2014 14:09:03 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.364	.0186	.2348	.1349	.0059	32.71
Stddev	8.514	1.705	.1793	.2131	.0943	5.02
%RSD	158.7	9190.	76.36	158.0	1602.	15.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0131	.1484	-.1258	2.913	2.803	77.41
Stddev	.2084	.2149	.1081	1.978	10.17	23.70
%RSD	1586.	144.8	85.93	67.89	362.7	30.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8801	.0632	F 280200.	.9972	-.7096	.4309
Stddev	6.703	.0429	2747.	.0399	1.648	.1413
%RSD	761.6	67.92	.9805	4.006	232.2	32.79

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0077	-1.561	.1583	5.987	1.484	.1151
Stddev	2.911	2.412	.1595	.239	.281	.4786
%RSD	37920.	154.5	100.7	3.989	18.91	415.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lb 460-252809/1-d@5 Acquired: 10/1/2014 14:09:03 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.294	.0339	-.2170	7.125
Stddev	.247	.0465	.4392	5.249
%RSD	19.05	137.2	202.3	73.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3647.2	46195.	12267.
Stddev	4.4	110.	222.
%RSD	.12085	.23807	1.8125

Sample Name: lcs 460-252958/2-a Acquired: 10/1/2014 14:13:00 Type: QC

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4875.	4939.	482.4	10510.	1009.	19990.
Stddev	72.	16.	1.2	3.	6.	309.
%RSD	1.481	.3305	.2460	.0325	.5779	1.547

Check ?	None	Chk Pass	None	None	None	None
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1067.	1072.	5319.	990.0	1057.	18950.
Stddev	1.	2.	45.	13.5	23.	227.
%RSD	.1127	.1791	.8532	1.366	2.186	1.196

Check ?	None	None	Chk Pass	Chk Pass	None	None
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20590.	1074.	20190.	1083.	5476.	1014.
Stddev	45.	7.	587.	3.	6.	3.
%RSD	.2175	.6960	2.909	.2603	.1171	.2610

Check ?	None	None	None	Chk Pass	Chk Pass	None
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	992.8	1123.	533.6	1069.	1036.	1082.
Stddev	6.1	7.	1.5	4.	.	2.
%RSD	.6095	.6030	.2847	.3398	.0299	.1608

Check ?	Chk Pass	None	None	Chk Pass	None	None
Value						
Range						

Sample Name: lcs 460-252958/2-a Acquired: 10/1/2014 14:13:00 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1093.	1004.	1023.	5.254
Stddev	4.	11.	10.	8.100
%RSD	.3720	1.136	.9611	154.2

Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3690.5	48147.	12287.
Stddev	17.6	105.	79.
%RSD	.47820	.21879	.64466

Sample Name: 460-83593-a-9-g du@5 Acquired: 10/1/2014 14:16:28 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	69.08	.7671	.0849	13.13	.0849	2385.
Stddev	7.13	.7971	.0505	.12	.0270	9.
%RSD	10.33	103.9	59.40	.9019	31.79	.3958

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2708	.5217	.2358	2.739	46.48	667.9
Stddev	.1599	.2650	.5706	.637	2.80	25.9
%RSD	59.05	50.79	242.0	23.27	6.033	3.870

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	520.3	10.98	F 264600.	.7184	1.476	1.954
Stddev	3.9	.10	203.	.4559	.809	2.202
%RSD	.7577	.8795	.0766	63.47	54.80	112.7

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9817	-.2350	.2137	12.50	12.81	.4108
Stddev	3.656	.6256	.3108	.29	.84	.1483
%RSD	372.4	266.2	145.4	2.334	6.594	36.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83593-a-9-g du@5 Acquired: 10/1/2014 14:16:28 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0918	9.064	.5739	196.3
Stddev	.8748	.047	.5372	23.5
%RSD	953.2	.5205	93.61	11.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3589.5	46577.	12342.
Stddev	6.0	120.	10.
%RSD	.16586	.25860	.08321

Sample Name: 460-83593-a-9-f@5 Acquired: 10/1/2014 14:20:23 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	70.11	.9697	.0551	12.61	.0328	2367.
Stddev	1.19	2.573	.1200	.17	.0328	22.
%RSD	1.700	265.4	217.9	1.359	99.91	.9189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0425	.3810	-.1550	1.747	44.26	648.1
Stddev	.0509	.2440	.3200	1.928	10.13	34.7
%RSD	119.7	64.06	206.4	110.3	22.90	5.348

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	515.9	10.87	F 261700.	.6413	1.758	.2112
Stddev	6.9	.09	1962.	.2405	1.780	.9462
%RSD	1.346	.8124	.7498	37.50	101.2	448.1

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5479	-2.248	.2090	9.072	11.91	-.1287
Stddev	2.655	1.926	.1288	.368	.19	.3830
%RSD	484.5	85.70	61.61	4.053	1.574	297.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83593-a-9-f@5 Acquired: 10/1/2014 14:20:23 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1978	8.962	.7471	205.2
Stddev	1.110	.137	1.271	10.5
%RSD	561.2	1.526	170.2	5.103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3608.3	46489.	12430.
Stddev	21.0	86.	132.
%RSD	.58223	.18524	1.0657

Sample Name: sd 460-83593-a-9-f@2 Acquired: 10/1/2014 14:24:19 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17.02	1.618	-.0267	2.551	.0049	476.3
Stddev	7.89	2.282	.1195	.065	.0256	12.4
%RSD	46.34	141.0	447.9	2.540	528.4	2.599

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0583	.1386	.0877	.5545	.1441	135.4
Stddev	.1146	.1968	.3939	.5081	8.592	25.8
%RSD	196.6	142.0	449.0	91.64	5964.	19.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	102.7	2.159	52580.	.9795	1.214	1.748
Stddev	4.0	.077	176.	.5726	2.307	1.971
%RSD	3.920	3.560	.3344	58.45	190.1	112.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.767	.0985	.0784	1.762	2.907	-.0680
Stddev	3.484	.2769	.4659	.279	.310	.3376
%RSD	125.9	281.1	594.6	15.82	10.66	496.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-83593-a-9-f@2 Acquired: 10/1/2014 14:24:19 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4513	1.722	.4605	37.39
Stddev	.3338	.050	.9717	5.00
%RSD	73.97	2.902	211.0	13.37

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3787.7	48303.	12240.
Stddev	36.2	417.	209.
%RSD	.95606	.86344	1.7077

Sample Name: 460-83593-a-9-h ms@5 Acquired: 10/1/2014 14:28:06 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1045.	1010.	99.01	2135.	203.4	6646.
Stddev	9.	.	.87	6.	1.9	180.
%RSD	.8271	.0142	.8810	.2860	.9223	2.706

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	212.7	209.4	1092.	201.4	244.9	4683.
Stddev	.2	.6	24.	1.0	4.3	22.
%RSD	.1011	.2727	2.218	.4799	1.748	.4644

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4596.	230.2	F 280100.	212.4	1059.	197.3
Stddev	50.	4.1	1978.	1.1	2.	1.5
%RSD	1.078	1.770	.7063	.5407	.2012	.7396

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	203.4	204.3	107.3	228.3	217.9	210.7
Stddev	6.2	.5	.9	2.6	1.0	1.9
%RSD	3.044	.2262	.8167	1.119	.4436	.8825

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83593-a-9-h ms@5 Acquired: 10/1/2014 14:28:06 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	212.8	210.4	207.4	212.3
Stddev	1.0	1.4	1.9	16.7
%RSD	.4500	.6655	.9180	7.880

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3664.2	46294.	12207.
Stddev	23.8	116.	265.
%RSD	.64818	.25015	2.1669

Sample Name: pds 460-83593-a-9-f Acquired: 10/1/2014 14:31:52 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1961.	1962.	52.58	2080.	49.09	22090.
Stddev	24.	7.	.30	5.	.19	159.
%RSD	1.201	.3373	.5629	.2439	.3823	.7172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.61	498.9	205.0	245.0	1124.	19790.
Stddev	.21	.9	1.7	1.8	9.	38.
%RSD	.4101	.1854	.8465	.7543	.8233	.1925

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19980.	526.1	F 287200.	505.2	506.4	464.2
Stddev	103.	2.1	3567.	2.0	.5	5.2
%RSD	.5170	.4023	1.242	.4000	.0889	1.119

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1976.	2014.	508.7	529.7	509.2	503.1
Stddev	5.	3.	1.2	2.3	1.9	1.9
%RSD	.2546	.1492	.2445	.4371	.3675	.3871

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-83593-a-9-f Acquired: 10/1/2014 14:31:52 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	504.3	497.1	496.1	274.8
Stddev	1.8	1.4	3.8	20.6
%RSD	.3554	.2834	.7674	7.510

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3612.3	46178.	12244.
Stddev	22.7	206.	159.
%RSD	.62893	.44681	1.3001

Sample Name: CCV Acquired: 10/1/2014 14:35:38 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122100.	2471.	1241.	10240.	1009.	128800.
Stddev	451.	8.	7.	30.	7.	1882.
%RSD	.3690	.3384	.5983	.2893	.7279	1.461

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1279.	2532.	5182.	12280.	103800.	48770.
Stddev	3.	4.	48.	18.	1037.	137.
%RSD	.2594	.1721	.9294	.1441	.9995	.2806

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127100.	5244.	123500.	2558.	7722.	982.4
Stddev	703.	53.	225.	3.	13.	1.8
%RSD	.5534	1.010	.1825	.1289	.1633	.1869

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2461.	2570.	2544.	2590.	1004.	2525.
Stddev	10.	11.	17.	17.	2.	5.
%RSD	.4152	.4167	.6574	.6459	.1931	.1815

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/1/2014 14:35:38 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1015.	5050.	10070.	9751.
Stddev	3.	22.	57.	55.
%RSD	.3324	.4402	.5686	.5653

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3593.9	45828.	12105.
Stddev	13.5	108.	136.
%RSD	.37699	.23506	1.1224

Sample Name: CCB Acquired: 10/1/2014 14:39:13 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.687	1.697	-.2243	.2253	.0250	-6.621
Stddev	11.53	.920	.0310	.0499	.0412	10.91
%RSD	150.0	54.22	13.84	22.14	164.7	164.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0242	.0751	.8413	1.764	3.308	25.19
Stddev	.0210	.4197	.4336	1.136	3.719	4.93
%RSD	87.05	558.5	51.54	64.38	112.4	19.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.516	.1474	50.04	.2356	1.712	2.255
Stddev	6.546	.1634	11.38	.5005	.683	1.572
%RSD	186.2	110.9	22.75	212.4	39.89	69.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3259	1.450	.3006	-.1744	1.865	1.333
Stddev	1.393	2.725	.1630	.2781	.360	.304
%RSD	427.4	188.0	54.20	159.5	19.30	22.82

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/1/2014 14:39:13 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8978	.1244	1.165	6.902
Stddev	.0584	.2332	1.459	6.072
%RSD	6.510	187.5	125.2	87.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3867.6	50056.	12112.
Stddev	32.1	285.	228.
%RSD	.83075	.57020	1.8796

Sample Name: 460-83476-a-1-c@5 Acquired: 10/1/2014 14:43:03 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71.72	-2.171	.1429	76.18	.0572	66570.
Stddev	11.81	.978	.1045	.27	.1243	993.
%RSD	16.47	45.06	73.11	.3547	217.1	1.491

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5507	2.958	.0634	8.607	47.18	1030.
Stddev	.1756	.300	.3886	1.418	8.81	26.
%RSD	31.89	10.14	612.8	16.47	18.67	2.480

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6041.	436.5	F 271000.	2.988	19.31	1.291
Stddev	59.	4.2	1637.	.418	2.53	1.223
%RSD	.9832	.9642	.6039	13.98	13.11	94.66

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.241	-.3249	.4724	76.10	29.83	.3935
Stddev	.904	.9400	.6162	1.03	.44	.3510
%RSD	72.86	289.3	130.4	1.351	1.463	89.18

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83476-a-1-c@5 Acquired: 10/1/2014 14:43:03 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	- .7682	230.0	6.367	981.4
Stddev	.2912	.4	.505	8.8
%RSD	37.90	.1786	7.935	.8945

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3596.8	45874.	12148.
Stddev	36.4	115.	172.
%RSD	1.0115	.25082	1.4151

Sample Name: 460-83464-a-1-b@5 Acquired: 10/1/2014 14:46:56 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	149.4	1.857	-.0504	28.93	-.0362	11790.
Stddev	8.9	1.373	.1612	.14	.0792	69.
%RSD	5.960	73.96	320.1	.4695	219.0	.5891

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0218	.2801	.6472	2.650	158.8	1150.
Stddev	.1900	.0619	.4934	1.680	10.9	9.
%RSD	871.2	22.10	76.24	63.40	6.869	.8013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1553.	44.42	74460.	1.895	.3724	3.302
Stddev	14.	.17	53.	.420	1.213	1.577
%RSD	.9246	.3753	.0708	22.15	325.7	47.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1870	-.6017	.4896	6.904	30.46	1.634
Stddev	1.212	2.487	.3151	.255	.54	.291
%RSD	648.3	413.3	64.36	3.690	1.778	17.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83464-a-1-b@5 Acquired: 10/1/2014 14:46:56 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.9099	88.77	4.686	921.5
Stddev	.6079	.66	.259	9.3
%RSD	66.81	.7409	5.521	1.007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3751.4	48108.	12274.
Stddev	6.8	196.	112.
%RSD	.18152	.40801	.91066

Sample Name: 460-83496-a-1-d@5 Acquired: 10/1/2014 14:50:42 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	133.9	1.105	-1.1371	78.24	.1238	7787.
Stddev	5.3	1.291	.2105	.47	.0979	14.
%RSD	3.951	116.9	153.6	.5960	79.04	.1803

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2152	.3494	.2998	2.462	119.3	1172.
Stddev	.0736	.1433	.5021	.575	2.8	16.
%RSD	34.19	41.00	167.5	23.36	2.382	1.339

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2338.	45.16	F 263200.	.6511	2.009	-.8958
Stddev	8.	.27	3779.	.8264	1.241	1.240
%RSD	.3255	.6032	1.436	126.9	61.78	138.4

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.509	-2.830	.2219	22.88	19.47	-.0759
Stddev	3.296	.846	.1864	.81	.25	.3104
%RSD	218.4	29.91	83.99	3.556	1.270	408.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83496-a-1-d@5 Acquired: 10/1/2014 14:50:42 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2869	37.51	3.981	698.7
Stddev	1.017	.20	1.252	19.9
%RSD	354.5	.5353	31.45	2.855

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3664.1	46668.	12350.
Stddev	3.6	108.	99.
%RSD	.09724	.23125	.80553

Sample Name: 460-83615-g-2-b du Acquired: 10/1/2014 14:54:36 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59.32	2.270	-.0065	92.39	-.1155	143900.
Stddev	3.19	2.209	.3729	.49	.0347	455.
%RSD	5.374	97.31	5773.	.5273	30.06	.3163

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1770	1.251	8.842	3.791	50.89	32060.
Stddev	.0574	.139	.187	1.832	3.50	125.
%RSD	32.42	11.09	2.113	48.31	6.884	.3902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51530.	1360.	F 253700.	13.49	-1.561	-.1651
Stddev	62.	3.	1780.	.34	1.002	.7101
%RSD	.1210	.1956	.7016	2.498	64.18	430.2

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7832	.9913	2.862	2.597	1035.	7.590
Stddev	1.779	3.031	.440	.044	6.	.393
%RSD	227.2	305.8	15.37	1.712	.5525	5.172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83615-g-2-b du Acquired: 10/1/2014 14:54:36 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.784	833.4	11.17	13220.
Stddev	1.320	2.4	.54	46.
%RSD	47.40	.2925	4.872	.3484

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3583.4	45917.	12247.
Stddev	24.3	320.	59.
%RSD	.67790	.69588	.48387

Sample Name: 460-83615-g-2-a Acquired: 10/1/2014 14:58:28 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	64.54	1.339	-1.174	94.48	-1.1546	146300.
Stddev	6.59	.775	.3154	.45	.0955	1245.
%RSD	10.21	57.87	268.6	.4810	61.75	.8511

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0897	1.113	8.680	3.787	55.63	33130.
Stddev	.1264	.346	.758	1.847	1.89	113.
%RSD	140.9	31.14	8.734	48.78	3.398	.3397

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53030.	1389.	F 260800.	14.30	-1.7915	-1.5520
Stddev	406.	7.	1387.	.84	1.296	1.111
%RSD	.7660	.4890	.5318	5.843	163.7	201.2

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.3962	2.575	2.380	2.992	1073.	7.662
Stddev	2.638	2.550	.012	.323	5.	.354
%RSD	665.8	99.03	.4859	10.81	.4357	4.619

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83615-g-2-a Acquired: 10/1/2014 14:58:28 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-3.257	865.0	10.38	13900.
Stddev	.567	4.0	.48	158.
%RSD	17.42	.4579	4.650	1.136

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3513.7	45275.	12506.
Stddev	16.2	407.	138.
%RSD	.46115	.89809	1.1043

Sample Name: sd 460-83615-g-2-a@5 Acquired: 10/1/2014 15:02:20 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15.47	1.337	.3451	18.70	-.0967	28130.
Stddev	6.11	1.040	.1082	.50	.0072	341.
%RSD	39.47	77.77	31.36	2.655	7.466	1.213

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2024	.4666	1.661	1.371	6.942	6253.
Stddev	.1413	.4445	.216	2.459	5.147	55.
%RSD	69.80	95.26	13.03	179.4	74.15	.8809

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10320.	279.2	50890.	2.373	-.1410	.4382
Stddev	41.	2.0	85.	.971	.7044	.9064
%RSD	.3931	.7075	.1665	40.90	499.4	206.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.324	-.4317	.5312	.9171	203.2	1.338
Stddev	1.794	1.816	.4108	.0429	.4	.165
%RSD	77.21	420.6	77.34	4.678	.2017	12.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-83615-g-2-a@5 Acquired: 10/1/2014 15:02:20 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3591	169.8	2.185	2481.
Stddev	.0917	1.1	.102	15.
%RSD	25.53	.6595	4.672	.6060

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3716.0	47670.	12117.
Stddev	19.5	217.	103.
%RSD	.52548	.45625	.84766

Sample Name: 460-83615-g-2-c ms Acquired: 10/1/2014 15:06:04 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1991.	2076.	51.90	2173.	49.49	161800.
Stddev	5.	1.	.73	2.	.28	1209.
%RSD	.2702	.0574	1.404	.0957	.5587	.7469

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.22	514.1	214.8	253.1	1092.	52100.
Stddev	.46	.9	.6	.3	12.	179.
%RSD	.8855	.1674	.2769	.1244	1.097	.3429

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	72490.	1862.	F 276600.	535.3	530.3	506.0
Stddev	476.	11.	1250.	1.3	2.8	1.6
%RSD	.6563	.5853	.4517	.2418	.5312	.3217

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2116.	2117.	523.3	534.5	1573.	510.6
Stddev	7.	6.	.6	2.9	3.	2.7
%RSD	.3469	.2740	.1083	.5405	.1888	.5332

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83615-g-2-c ms Acquired: 10/1/2014 15:06:04 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	518.6	1350.	508.6	13700.
Stddev	1.8	3.	2.6	140.
%RSD	.3383	.2305	.5141	1.019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3510.6	45365.	12555.
Stddev	5.8	422.	172.
%RSD	.16479	.93085	1.3671

Sample Name: pds 460-83615-g-2-a Acquired: 10/1/2014 15:09:48 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1967.	2002.	54.15	2127.	47.85	162100.
Stddev	26.	11.	.48	6.	.28	1976.
%RSD	1.317	.5610	.8837	.2803	.5800	1.219

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.27	492.2	207.6	241.2	1069.	51540.
Stddev	.13	1.1	1.0	1.5	12.	103.
%RSD	.2593	.2301	.4946	.6386	1.151	.1996

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	71690.	1847.	F 273200.	511.8	510.5	465.8
Stddev	284.	14.	1628.	1.4	1.1	5.4
%RSD	.3966	.7383	.5956	.2729	.2195	1.151

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2027.	2028.	500.9	517.0	1545.	498.1
Stddev	18.	7.	1.5	4.5	9.	2.3
%RSD	.9020	.3450	.3069	.8773	.5693	.4559

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-83615-g-2-a Acquired: 10/1/2014 15:09:48 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	508.0	1320.	499.7	13380.
Stddev	.7	6.	2.2	206.
%RSD	.1342	.4562	.4411	1.539

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3545.4	45445.	12315.
Stddev	29.2	236.	228.
%RSD	.82439	.51937	1.8511

Sample Name: 460-83653-f-1-a Acquired: 10/1/2014 15:13:31 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63.49	1.581	-1.082	311.7	-1.1472	146100.
Stddev	5.49	2.817	.1294	1.7	.0687	2630.
%RSD	8.651	178.1	119.6	.5570	46.69	1.800

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2265	.1294	-1.125	4.333	302.8	18990.
Stddev	.0834	.4032	.771	3.606	4.7	12.
%RSD	36.83	311.4	68.56	83.21	1.537	.0643

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59010.	833.6	F 488900.	1.962	.2778	1.962
Stddev	504.	7.9	5254.	.979	.7216	1.269
%RSD	.8541	.9443	1.075	49.88	259.7	64.66

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.117	2.406	1.145	7.406	275.2	1.822
Stddev	.916	1.574	.203	.218	1.3	.571
%RSD	82.02	65.41	17.70	2.938	.4541	31.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83653-f-1-a Acquired: 10/1/2014 15:13:31 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.749	924.5	8.559	12300.
Stddev	.924	1.2	.902	175.
%RSD	52.85	.1323	10.54	1.423

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3454.6	44333.	12217.
Stddev	47.6	157.	178.
%RSD	1.3790	.35442	1.4585

Sample Name: lcs 460-252960/2-a Acquired: 10/1/2014 15:17:22 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1909.	1963.	49.38	2100.	49.92	19880.
Stddev	10.	10.	.68	1.	.51	208.
%RSD	.5404	.4941	1.378	.0296	1.021	1.047

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.88	527.4	208.2	246.7	1065.	18590.
Stddev	.14	1.8	1.2	4.4	8.	37.
%RSD	.2678	.3454	.5554	1.770	.7221	.2011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20760.	534.5	19250.	543.7	554.5	472.2
Stddev	169.	2.1	35.	.3	3.2	4.1
%RSD	.8124	.3967	.1831	.0629	.5802	.8769

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2029.	2289.	515.0	543.7	515.1	504.5
Stddev	14.	13.	1.4	.6	1.5	1.2
%RSD	.6893	.5523	.2805	.1027	.2952	.2338

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-252960/2-a Acquired: 10/1/2014 15:17:22 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	525.9	501.8	500.8	88.13
Stddev	2.6	1.1	1.1	10.20
%RSD	.4994	.2095	.2189	11.57

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3756.0	48700.	12554.
Stddev	6.0	205.	114.
%RSD	.16107	.42090	.90623

Sample Name: CCV Acquired: 10/1/2014 15:21:00 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122300.	2507.	1245.	10250.	1010.	127400.
Stddev	659.	12.	7.	14.	13.	2096.
%RSD	.5386	.4908	.5741	.1318	1.259	1.645

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1287.	2541.	5145.	12330.	103400.	49080.
Stddev	3.	3.	65.	58.	1259.	231.
%RSD	.2189	.1200	1.263	.4671	1.217	.4696

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127600.	5202.	124000.	2559.	7733.	997.1
Stddev	1598.	54.	583.	5.	20.	4.4
%RSD	1.253	1.034	.4704	.2113	.2628	.4444

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2511.	2596.	2543.	2571.	1023.	2541.
Stddev	21.	9.	19.	19.	5.	7.
%RSD	.8404	.3400	.7453	.7296	.5173	.2625

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/1/2014 15:21:00 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1023.	5021.	10060.	9850.
Stddev	2.	28.	35.	124.
%RSD	.2381	.5608	.3513	1.254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3526.5	45385.	12006.
Stddev	26.9	79.	207.
%RSD	.76157	.17331	1.7220

Sample Name: CCB Acquired: 10/1/2014 15:24:35 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.184	1.241	.0466	.3147	-.0302	-.9301
Stddev	9.255	1.107	.1366	.2281	.0726	3.309
%RSD	128.8	89.22	293.2	72.47	240.6	355.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0347	.1891	.2519	2.301	5.921	50.90
Stddev	.1125	.3685	.1198	2.152	7.930	30.20
%RSD	324.0	194.9	47.58	93.49	133.9	59.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.892	.1683	65.62	.2017	-1.130	2.786
Stddev	1.618	.1934	23.41	.3850	.849	2.523
%RSD	55.94	114.9	35.68	190.9	75.14	90.56

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.809	-2.665	.2795	-.3118	3.400	1.153
Stddev	1.091	2.336	.2672	.3654	.686	.455
%RSD	60.32	87.65	95.60	117.2	20.18	39.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/1/2014 15:24:35 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4447	.1385	2.003	6.733
Stddev	.4161	.1541	.542	4.084
%RSD	93.57	111.3	27.08	60.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3851.4	49750.	12204.
Stddev	1.8	123.	90.
%RSD	.04735	.24643	.73580

Sample Name: mb 460-252960/1-a Acquired: 10/1/2014 15:28:24 Type: QC

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.138	3.385	-1.1620	-.0147	-.0054	-9.312
Stddev	7.763	.394	.1174	.1227	.1349	4.333
%RSD	363.0	11.63	72.45	835.9	2503.	46.53

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0061	.1594	-.3371	1.052	-3.306	9.340
Stddev	.1783	.0755	.2452	.675	5.151	30.88
%RSD	2911.	47.39	72.73	64.18	155.8	330.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.826	.0149	17.71	1.188	.0078	.0812
Stddev	2.005	.1309	2.81	.156	2.907	1.483
%RSD	29.37	879.7	15.86	13.10	37300.	1826.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.074	2.387	.0868	-1.146	1.512	.1165
Stddev	3.493	2.149	.3523	.241	.757	.1906
%RSD	168.4	90.01	406.1	21.06	50.09	163.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-252960/1-a Acquired: 10/1/2014 15:28:24 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2909	.0603	.0694	3.963
Stddev	.8218	.0129	.6246	9.159
%RSD	282.5	21.46	900.4	231.1

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3971.8	50842.	12756.
Stddev	26.6	486.	31.
%RSD	.66865	.95562	.24273

Sample Name: 460-83665-g-1-a Acquired: 10/1/2014 15:32:11 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.028	6.715	-.6247	224.1	-.7204	20420.
Stddev	7.175	1.818	.1860	.8	.0123	161.
%RSD	119.0	27.07	29.78	.3590	1.706	.7875

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2522	78.31	-3.109	1.572	32710.	2452.
Stddev	.0401	.60	.134	.925	119.	15.
%RSD	15.89	.7636	4.317	58.86	.3628	.6290

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19510.	9102.	30760.	18.07	-.8767	6.078
Stddev	33.	38.	123.	1.77	1.533	2.380
%RSD	.1714	.4149	.4006	9.826	174.9	39.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.346	10.93	.4692	3.684	26.53	.3583
Stddev	.407	2.32	.3399	.015	.34	.3001
%RSD	30.26	21.21	72.43	.4021	1.283	83.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83665-g-1-a Acquired: 10/1/2014 15:32:11 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6327	183.0	-1.137	6804.
Stddev	.1165	.4	.550	29.
%RSD	18.42	.2172	48.35	.4320

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3779.1	48577.	12667.
Stddev	24.4	134.	88.
%RSD	.64697	.27627	.69760

Sample Name: 460-83591-e-3-c du@4 Acquired: 10/1/2014 15:35:55 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2996.	4.345	-.3979	8.024	.1763	2378.
Stddev	4.	.789	.3221	.156	.0598	59.
%RSD	.1244	18.16	80.95	1.944	33.91	2.465

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2283	2.795	8.235	1.101	6944.	533.1
Stddev	.0354	.274	.604	1.659	87.	22.3
%RSD	15.50	9.787	7.331	150.7	1.252	4.183

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1310.	79.74	363.3	5.724	2.857	.0593
Stddev	20.	1.61	11.5	1.283	.568	3.159
%RSD	1.514	2.017	3.176	22.42	19.89	5330.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0777	1.837	7.360	16.09	5.362	.7831
Stddev	3.274	2.079	.399	.08	.393	.1794
%RSD	4212.	113.2	5.423	.4993	7.332	22.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83591-e-3-c du@4 Acquired: 10/1/2014 15:35:55 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.062	12.40	196.6	569.0
Stddev	.761	.03	.9	31.3
%RSD	24.84	.2404	.4622	5.493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3793.6	49036.	12158.
Stddev	68.5	414.	71.
%RSD	1.8050	.84451	.58731

Sample Name: 460-83591-e-3-b@4 Acquired: 10/1/2014 15:39:39 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2952.	4.345	-.2771	8.921	.1237	2441.
Stddev	19.	.437	.2939	.249	.0285	20.
%RSD	.6272	10.07	106.1	2.787	23.07	.8046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0103	2.539	7.774	3.061	6911.	550.7
Stddev	.0964	.226	.705	3.436	24.	10.0
%RSD	933.9	8.891	9.068	112.2	.3467	1.812

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1327.	78.78	376.6	4.846	4.016	1.331
Stddev	9.	.12	9.4	.379	1.647	1.580
%RSD	.6911	.1549	2.483	7.812	41.02	118.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1983	-.3876	7.537	18.79	5.327	.8171
Stddev	2.102	2.328	.349	.27	.263	.4382
%RSD	1060.	600.7	4.632	1.454	4.942	53.64

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83591-e-3-b@4 Acquired: 10/1/2014 15:39:39 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.577	12.65	204.5	627.1
Stddev	.011	.13	1.1	11.2
%RSD	.3075	1.045	.5557	1.783

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3828.4	49585.	12297.
Stddev	15.5	446.	217.
%RSD	.40608	.89999	1.7622

Sample Name: sd 460-83591-e-3-b@2 Acquired: 10/1/2014 15:43:24 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	571.3	.0459	.0631	1.682	-.0068	478.4
Stddev	6.1	.5271	.0730	.032	.0680	12.9
%RSD	1.070	1147.	115.7	1.913	998.3	2.691

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0099	.4285	1.330	1.703	1367.	115.0
Stddev	.0981	.2752	.695	.312	18.	15.3
%RSD	987.5	64.22	52.23	18.31	1.346	13.27

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	260.6	15.47	86.18	1.640	-.3941	-.1450
Stddev	3.6	.20	7.48	.877	.6008	.9794
%RSD	1.383	1.313	8.677	53.46	152.4	675.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.9125	.6764	1.641	4.002	1.310	-.0826
Stddev	2.141	1.683	.219	.215	.280	.2591
%RSD	234.6	248.8	13.37	5.360	21.39	313.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-83591-e-3-b@2 Acquired: 10/1/2014 15:43:24 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0897	2.443	39.26	124.0
Stddev	.3935	.065	1.63	8.0
%RSD	438.6	2.645	4.138	6.424

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3927.5	49779.	12298.
Stddev	13.1	294.	113.
%RSD	.33388	.59078	.92060

Sample Name: 460-83591-e-3-d ms@4 Acquired: 10/1/2014 15:47:11 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5357.	908.0	22.12	1041.	24.58	12280.
Stddev	35.	5.0	.46	3.	.19	94.
%RSD	.6515	.5555	2.073	.3321	.7912	.7668

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.59	252.1	111.1	122.8	8831.	9693.
Stddev	.07	1.9	1.1	1.2	33.	79.
%RSD	.2897	.7419	1.000	.9568	.3744	.8149

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11250.	346.2	9622.	260.0	251.8	213.6
Stddev	52.	2.1	56.	2.1	3.0	2.4
%RSD	.4650	.5971	.5846	.8193	1.183	1.115

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	887.6	1031.	257.8	268.2	238.6	247.4
Stddev	3.3	11.	.9	2.3	2.3	2.4
%RSD	.3708	1.112	.3496	.8432	.9713	.9833

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83591-e-3-d ms@4 Acquired: 10/1/2014 15:47:11 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	249.5	255.6	508.0	1637.
Stddev	1.1	.3	2.4	28.
%RSD	.4467	.1121	.4774	1.716

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3766.1	48599.	12228.
Stddev	7.6	564.	219.
%RSD	.20278	1.1604	1.7921

Sample Name: pds 460-83591-e-3-b@ Acquired: 10/1/2014 15:50:50 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4833.	1871.	50.12	2088.	49.33	21730.
Stddev	8.	7.	.62	7.	.15	83.
%RSD	.1745	.3840	1.229	.3408	.3042	.3811

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.20	510.0	210.2	242.8	7876.	18640.
Stddev	.23	1.9	1.0	.7	53.	31.
%RSD	.4488	.3745	.4721	.2744	.6733	.1679

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20570.	595.5	19230.	522.2	512.8	450.7
Stddev	100.	1.5	56.	2.8	1.4	2.4
%RSD	.4855	.2469	.2929	.5425	.2749	.5424

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1853.	2086.	510.6	528.1	485.7	508.9
Stddev	6.	2.	2.3	3.9	1.2	2.8
%RSD	.3353	.0783	.4535	.7367	.2454	.5418

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-83591-e-3-b@ Acquired: 10/1/2014 15:50:50 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	509.8	501.2	696.0	701.5
Stddev	2.8	1.4	3.4	14.4
%RSD	.5501	.2867	.4836	2.058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3748.5	48626.	12389.
Stddev	22.2	163.	70.
%RSD	.59323	.33605	.56390

Sample Name: 460-83591-e-1-b@4 Acquired: 10/1/2014 15:54:26 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48840.	33.36	-1.845	144.8	2.414	46290.
Stddev	67.	.56	.223	.2	.096	352.
%RSD	.1376	1.681	12.09	.1668	3.990	.7593

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.1590	27.86	157.7	38.97	94960.	11520.
Stddev	.2693	.23	1.0	.98	694.	16.
%RSD	169.4	.8192	.6476	2.519	.7305	.1397

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	26470.	916.3	8200.	84.93	46.63	13.51
Stddev	199.	5.3	6.	1.35	1.69	2.36
%RSD	.7519	.5761	.0694	1.590	3.624	17.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.802	1.583	151.4	218.7	86.74	5.187
Stddev	1.972	2.236	.6	.4	.42	.184
%RSD	109.4	141.3	.3634	.1716	.4885	3.542

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83591-e-1-b@4 Acquired: 10/1/2014 15:54:26 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.275	212.5	2741.	1332.
Stddev	1.080	.7	6.	18.
%RSD	20.46	.3181	.2188	1.353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3773.4	49077.	12537.
Stddev	6.0	366.	285.
%RSD	.15812	.74609	2.2728

Sample Name: 460-83591-e-2-b@4 Acquired: 10/1/2014 15:58:08 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35200.	22.36	-1.470	109.1	1.744	13670.
Stddev	90.	1.93	.347	.6	.030	48.
%RSD	.2570	8.608	23.62	.5387	1.696	.3507

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3863	22.07	116.6	34.73	69650.	8351.
Stddev	.1701	.07	.8	.97	263.	31.
%RSD	44.04	.3275	.6674	2.795	.3776	.3758

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19710.	640.2	5295.	63.21	23.31	7.386
Stddev	152.	1.6	13.	.38	1.05	2.398
%RSD	.7704	.2528	.2411	.5954	4.515	32.47

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6395	.7931	117.5	170.3	66.74	2.048
Stddev	.3509	2.210	.6	1.4	.34	.630
%RSD	54.87	278.6	.5302	.7928	.5120	30.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83591-e-2-b@4 Acquired: 10/1/2014 15:58:08 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	5.752	77.85	2141.	1196.
Stddev	.513	.29	8.	13.
%RSD	8.914	.3666	.3802	1.084

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3824.8	49637.	12710.
Stddev	38.3	174.	139.
%RSD	1.0019	.35123	1.0948

Sample Name: lcssrm 460-252906/2- Acquired: 10/1/2014 16:01:50 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38460.	664.3	182.8	1042.	466.4	29420.
Stddev	114.	3.9	1.5	4.	3.6	376.
%RSD	.2970	.5884	.8003	.3365	.7715	1.277

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	487.7	767.2	720.2	796.2	97840.	12120.
Stddev	1.8	2.5	6.7	1.0	958.	52.
%RSD	.3599	.3291	.9348	.1292	.9794	.4276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14290.	1587.	3564.	641.9	678.3	794.2
Stddev	145.	13.	8.	3.2	3.9	5.9
%RSD	1.017	.8490	.2168	.4956	.5821	.7472

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	832.6	745.1	588.6	1002.	675.5	583.2
Stddev	6.4	6.8	2.2	4.	3.5	4.5
%RSD	.7731	.9075	.3704	.4054	.5207	.7724

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-252906/2- Acquired: 10/1/2014 16:01:50 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	678.9	499.7	1769.	1374.
Stddev	4.0	1.8	3.	12.
%RSD	.5852	.3695	.1462	.8550

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3856.8	49933.	12696.
Stddev	17.9	371.	235.
%RSD	.46404	.74385	1.8532

Sample Name: CCV Acquired: 10/1/2014 16:05:24 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120300.	2454.	1219.	10110.	990.5	125600.
Stddev	360.	5.	9.	12.	4.4	1246.
%RSD	.2993	.2195	.7331	.1232	.4481	.9919

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1266.	2501.	5068.	12100.	101700.	48260.
Stddev	2.	5.	43.	26.	861.	173.
%RSD	.1783	.1909	.8481	.2158	.8468	.3583

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124900.	5128.	122000.	2519.	7600.	976.9
Stddev	1148.	32.	427.	2.	11.	4.2
%RSD	.9191	.6257	.3503	.0820	.1452	.4333

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2464.	2552.	2501.	2533.	1002.	2505.
Stddev	25.	12.	14.	8.	6.	9.
%RSD	1.025	.4742	.5444	.3249	.5848	.3772

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/1/2014 16:05:24 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1007.	4973.	9904.	9810.
Stddev	3.	20.	43.	104.
%RSD	.2964	.3998	.4331	1.062

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3576.1	46260.	12336.
Stddev	22.3	154.	69.
%RSD	.62453	.33279	.56108

Sample Name: CCB Acquired: 10/1/2014 16:08:59 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	11.00	1.309	.0850	.0480	-.0806	-5.778
Stddev	9.76	1.385	.3689	.1279	.1201	7.561
%RSD	88.73	105.8	434.1	266.7	149.1	130.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1006	.2938	.2931	1.982	4.977	19.59
Stddev	.0831	.0799	.1876	2.005	4.061	17.82
%RSD	82.63	27.18	64.00	101.1	81.61	91.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.512	.0540	21.01	-.2818	-1.292	2.299
Stddev	4.093	.1370	14.89	.5342	1.769	.409
%RSD	270.7	253.7	70.88	189.5	136.9	17.81

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.124	1.315	.1958	-.0811	2.442	1.242
Stddev	5.963	1.161	.3219	.2034	.422	.628
%RSD	280.8	88.30	164.4	250.6	17.28	50.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/1/2014 16:08:59 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.2195	.1003	.9957	.7000
Stddev	.7217	.0791	.9364	2.573
%RSD	328.8	78.90	94.04	367.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3865.6	50040.	12186.
Stddev	52.8	345.	76.
%RSD	1.3662	.68936	.62105

Sample Name: mb 460-252906/1-a@2 Acquired: 10/1/2014 16:12:48 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.12	-1.071	-.4056	.2188	.0282	49.77
Stddev	1.80	1.387	.2052	.4080	.0842	5.70
%RSD	17.82	129.5	50.59	186.5	298.4	11.46

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2330	-.2862	.4340	.0741	1.710	20.38
Stddev	.0438	.3845	.2406	1.029	11.08	23.01
%RSD	18.82	134.3	55.43	1389.	648.4	112.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2514	.1074	35.76	-.8323	-1.327	2.032
Stddev	2.638	.0776	5.79	.1416	2.382	3.182
%RSD	1049.	72.27	16.18	17.01	179.6	156.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.571	-2.980	.1613	13.45	3.546	.3359
Stddev	2.773	1.821	.3041	.60	.199	.2243
%RSD	107.9	61.11	188.6	4.447	5.600	66.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-252906/1-a@2 Acquired: 10/1/2014 16:12:48 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	7.701	.1512	2.028	19.69
Stddev	.464	.0880	1.221	14.14
%RSD	6.027	58.19	60.18	71.80

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3732.8	49383.	11808.
Stddev	77.2	674.	171.
%RSD	2.0673	1.3653	1.4492

Sample Name: 460-83593-b-9-b@4 Acquired: 10/1/2014 16:16:35 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	17560.	26.90	-1.449	85.14	2.213	10980.
Stddev	71.	1.51	.169	1.01	.004	82.
%RSD	.4062	5.628	11.67	1.188	.1656	.7453

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3211	7.095	96.47	20.58	56160.	9964.
Stddev	.1967	.232	.48	.52	124.	57.
%RSD	61.24	3.276	.4948	2.511	.2206	.5723

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4194.	150.0	96.39	18.94	76.97	10.70
Stddev	21.	.7	6.88	.60	.47	1.41
%RSD	.5092	.4998	7.138	3.165	.6118	13.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.839	1.357	38.73	97.75	67.50	.3366
Stddev	1.576	.528	.80	.26	.50	.2196
%RSD	85.69	38.91	2.054	.2704	.7442	65.25

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83593-b-9-b@4 Acquired: 10/1/2014 16:16:35 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.744	37.02	236.2	1573.
Stddev	.808	.48	1.4	15.
%RSD	9.235	1.292	.5957	.9543

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3906.5	49924.	12169.
Stddev	3.0	97.	268.
%RSD	.07690	.19437	2.1984

Sample Name: 460-83614-c-3-b du Acquired: 10/1/2014 16:20:18 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41.48	-.1138	-.0672	37.94	-.2121	119300.
Stddev	9.98	.8562	.3552	.32	.0832	996.
%RSD	24.05	752.1	528.6	.8561	39.22	.8348

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2279	.7968	-1.268	1.775	2150.	2806.
Stddev	.1203	.1292	.876	.754	18.	39.
%RSD	52.81	16.21	69.11	42.48	.8400	1.396

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35410.	2496.	35380.	.5660	.7185	.2334
Stddev	122.	14.	180.	1.487	.5354	1.252
%RSD	.3434	.5548	.5082	262.8	74.52	536.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8496	.9617	.4117	1.617	75.32	1.602
Stddev	4.680	4.044	.4954	.427	.15	.195
%RSD	550.8	420.4	120.3	26.39	.2016	12.19

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83614-c-3-b du Acquired: 10/1/2014 16:20:18 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6704	287.2	6.485	8892.
Stddev	.3475	1.2	1.053	90.
%RSD	51.84	.4204	16.25	1.018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3605.5	47365.	12392.
Stddev	20.7	55.	36.
%RSD	.57434	.11631	.29107

Sample Name: 460-83614-c-3-a Acquired: 10/1/2014 16:24:03 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41.11	2.570	-.2512	38.52	-.1489	124100.
Stddev	3.33	1.470	.2442	.31	.0504	1990.
%RSD	8.089	57.20	97.22	.8125	33.81	1.604

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1079	.7272	-1.488	3.557	2222.	2843.
Stddev	.0787	.1387	.445	1.731	33.	45.
%RSD	72.91	19.07	29.91	48.66	1.497	1.565

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36610.	2581.	36130.	1.301	.1012	.6267
Stddev	337.	29.	306.	1.190	2.414	2.110
%RSD	.9203	1.123	.8467	91.50	2385.	336.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.104	1.091	.1477	2.026	75.24	1.763
Stddev	3.571	2.828	.1580	.264	.83	.175
%RSD	323.4	259.2	107.0	13.00	1.105	9.921

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83614-c-3-a Acquired: 10/1/2014 16:24:03 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.4422	291.0	7.051	8741.
Stddev	.4282	1.4	.537	153.
%RSD	96.85	.4963	7.611	1.753

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3668.0	46996.	11991.
Stddev	12.4	217.	197.
%RSD	.33782	.46124	1.6435

Sample Name: sd 460-83614-c-3-a@5 Acquired: 10/1/2014 16:27:46 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.70	1.134	-.1545	7.894	-.1373	24280.
Stddev	7.87	.792	.2531	.140	.0765	457.
%RSD	61.93	69.85	163.8	1.772	55.76	1.880

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1348	.0281	-.6461	1.891	444.6	535.1
Stddev	.1452	.3602	.8533	3.074	13.0	22.1
%RSD	107.7	1281.	132.1	162.5	2.921	4.139

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7245.	524.8	6977.	.3223	-2.092	-.3586
Stddev	37.	4.8	32.	1.373	1.445	1.136
%RSD	.5061	.9078	.4533	426.0	69.09	316.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.702	.6029	-.0205	1.004	15.13	.1885
Stddev	2.544	1.536	.1124	.391	.52	.2872
%RSD	94.18	254.8	547.3	38.92	3.436	152.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-83614-c-3-a@5 Acquired: 10/1/2014 16:27:46 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0727	58.52	1.214	1671.
Stddev	.7537	.79	.892	53.
%RSD	1037.	1.350	73.45	3.148

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3811.8	48904.	12124.
Stddev	30.0	363.	259.
%RSD	.78720	.74195	2.1349

Sample Name: 460-83614-c-3-c ms Acquired: 10/1/2014 16:31:31 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2018.	1998.	49.58	2164.	51.75	142200.
Stddev	9.	7.	.15	4.	.09	1429.
%RSD	.4692	.3660	.3055	.2046	.1811	1.005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	52.95	525.0	208.4	256.5	3223.	22320.
Stddev	.30	1.0	2.2	1.3	22.	57.
%RSD	.5665	.1827	1.044	.5247	.6682	.2543

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	56470.	3059.	56280.	534.7	539.2	494.3
Stddev	221.	17.	201.	1.7	1.9	5.4
%RSD	.3904	.5527	.3571	.3133	.3531	1.091

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2007.	2184.	526.5	532.3	586.2	520.0
Stddev	22.	5.	2.0	6.2	3.4	1.8
%RSD	1.114	.2240	.3843	1.164	.5833	.3417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83614-c-3-c.ms Acquired: 10/1/2014 16:31:31 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	525.8	804.1	515.6	8974.
Stddev	2.5	2.4	1.9	88.
%RSD	.4742	.3044	.3767	.9835

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3577.1	46486.	12102.
Stddev	32.1	123.	98.
%RSD	.89721	.26448	.80684

Sample Name: pds 460-83614-c-3-a Acquired: 10/1/2014 16:35:07 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1958.	1955.	51.83	2111.	49.44	139500.
Stddev	9.	7.	.65	2.	.21	1180.
%RSD	.4676	.3486	1.246	.0834	.4204	.8457

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.65	503.6	197.6	245.8	3165.	21810.
Stddev	.04	.9	.8	1.6	7.	110.
%RSD	.0850	.1713	.4295	.6354	.2157	.5030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	55600.	3002.	55430.	513.1	516.8	471.9
Stddev	351.	12.	322.	1.6	2.8	2.8
%RSD	.6309	.4086	.5799	.3057	.5360	.6009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1945.	2103.	502.8	506.4	578.1	512.0
Stddev	2.	12.	1.7	3.7	1.1	.8
%RSD	.1041	.5895	.3457	.7273	.1932	.1555

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-83614-c-3-a Acquired: 10/1/2014 16:35:07 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	513.1	778.9	502.3	8942.
Stddev	3.6	4.8	1.5	196.
%RSD	.6954	.6213	.3031	2.186

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3559.2	46648.	12126.
Stddev	10.6	259.	207.
%RSD	.29712	.55576	1.7059

Sample Name: 460-83591-g-4-a Acquired: 10/1/2014 16:38:42 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6.907	1.311	-.0950	.2147	-.0092	7.974
Stddev	8.188	.435	.3442	.0895	.0130	5.920
%RSD	118.5	33.15	362.1	41.69	141.0	74.23

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0613	.0796	.2588	1.095	1.981	17.80
Stddev	.0520	.3738	.2504	2.962	9.110	12.02
%RSD	84.87	469.3	96.77	270.6	459.8	67.52

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.905	.2942	27.95	.3699	.4750	2.394
Stddev	5.616	.0140	10.17	.2317	.7011	1.050
%RSD	143.8	4.774	36.39	62.65	147.6	43.85

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0634	.1825	.1784	23.16	4.706	.1460
Stddev	3.455	1.012	.2502	.04	.239	.4930
%RSD	5449.	554.2	140.3	.1705	5.077	337.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83591-g-4-a Acquired: 10/1/2014 16:38:42 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.5222	.0780	.3837	31.13
Stddev	.2848	.0792	.4484	7.59
%RSD	54.53	101.6	116.9	24.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3856.1	49812.	12159.
Stddev	7.6	64.	151.
%RSD	.19744	.12884	1.2438

Sample Name: 460-83666-h-1-a Acquired: 10/1/2014 16:42:30 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	707.0	.6578	-.0535	305.2	-.0553	131200.
Stddev	8.0	2.476	.2714	1.1	.0335	922.
%RSD	1.134	376.4	506.9	.3526	60.56	.7030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0676	1.575	.6560	5.042	1234.	6598.
Stddev	.1087	.357	.2625	2.637	12.	35.
%RSD	160.9	22.64	40.02	52.31	.9982	.5288

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21460.	1661.	F 333200.	4.095	1.104	1.139
Stddev	48.	6.	149.	.663	2.021	2.039
%RSD	.2254	.3487	.0446	16.20	183.1	179.0

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.311	-1.504	8.002	7.751	309.0	6.444
Stddev	1.426	1.545	.337	.185	2.3	.689
%RSD	26.86	102.8	4.213	2.382	.7420	10.69

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83666-h-1-a Acquired: 10/1/2014 16:42:30 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-2.317	612.4	27.64	10310.
Stddev	.398	1.4	1.28	12.
%RSD	17.18	.2309	4.639	.1155

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3521.8	44960.	12216.
Stddev	23.5	125.	35.
%RSD	.66630	.27848	.28428

Sample Name: lcs 460-252963/2-a Acquired: 10/1/2014 16:46:22 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1935.	1918.	48.41	2120.	51.55	19900.
Stddev	19.	7.	.32	1.	.48	297.
%RSD	.9601	.3744	.6569	.0479	.9318	1.493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	53.11	526.5	211.4	252.4	1080.	18680.
Stddev	.48	.6	2.0	2.7	6.	17.
%RSD	.9019	.1168	.9521	1.083	.5411	.0895

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	20300.	539.0	19560.	539.8	536.6	464.6
Stddev	159.	4.2	15.	.8	3.0	4.2
%RSD	.7831	.7714	.0759	.1472	.5599	.9093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1923.	2211.	523.3	531.5	491.8	514.3
Stddev	11.	4.	1.1	2.5	1.7	2.6
%RSD	.5850	.1699	.2014	.4700	.3462	.5030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-252963/2-a Acquired: 10/1/2014 16:46:22 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	517.2	506.3	504.9	92.95
Stddev	2.2	2.1	3.4	16.37
%RSD	.4300	.4203	.6755	17.62

Check ?	Chk Pass	Chk Pass	Chk Pass	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3756.9	48393.	12004.
Stddev	22.9	93.	264.
%RSD	.61058	.19215	2.2016

Sample Name: CCV Acquired: 10/1/2014 16:49:59 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122000.	2473.	1234.	10230.	1013.	128400.
Stddev	387.	8.	7.	7.	9.	1510.
%RSD	.3171	.3113	.5634	.0636	.8493	1.176

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1281.	2524.	5168.	12270.	103800.	49000.
Stddev	4.	1.	42.	2.	1031.	164.
%RSD	.3048	.0511	.8081	.0162	.9936	.3355

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	127900.	5219.	124000.	2540.	7684.	977.3
Stddev	932.	49.	103.	6.	14.	8.8
%RSD	.7282	.9320	.0834	.2320	.1846	.9009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2461.	2586.	2537.	2582.	1010.	2524.
Stddev	14.	7.	14.	19.	1.	4.
%RSD	.5863	.2702	.5399	.7266	.1147	.1558

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/1/2014 16:49:59 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1016.	5113.	10010.	9646.
Stddev	5.	57.	66.	57.
%RSD	.4909	1.119	.6560	.5888

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3579.3	45680.	12001.
Stddev	20.8	137.	156.
%RSD	.58181	.29911	1.3020

Sample Name: CCB Acquired: 10/1/2014 16:53:33 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.950	.9422	-.2443	.1993	.0233	.1071
Stddev	6.765	2.537	.2329	.4111	.0452	1.756
%RSD	85.10	269.3	95.30	206.3	194.1	1640.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1364	.0510	-.3951	2.614	1.099	23.57
Stddev	.1849	.1919	.4861	.979	3.051	12.89
%RSD	135.6	376.5	123.0	37.46	277.7	54.67

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.094	.0727	34.73	-.4240	.8354	2.644
Stddev	1.773	.0664	11.62	.7366	2.884	.977
%RSD	162.1	91.37	33.45	173.7	345.3	36.95

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.169	.2523	.0134	-.2670	2.688	1.226
Stddev	.786	.8356	.2805	.4258	.455	.221
%RSD	67.20	331.2	2097.	159.5	16.94	17.98

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/1/2014 16:53:33 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3528	.1786	2.139	4.086
Stddev	.4117	.1906	.715	4.472
%RSD	116.7	106.7	33.41	109.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3838.7	49590.	12066.
Stddev	8.9	52.	44.
%RSD	.23133	.10468	.36234

Sample Name: mb 460-252963/1-a Acquired: 10/1/2014 16:57:22 Type: QC

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.234	.7696	-.1675	-.0130	.0128	7.517
Stddev	5.022	.7434	.1785	.1709	.0598	7.393
%RSD	118.6	96.60	106.6	1316.	466.8	98.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1266	.0285	-.2165	.9424	.9944	25.25
Stddev	.1247	.1094	.6865	2.742	5.620	10.08
%RSD	98.50	384.0	317.1	290.9	565.1	39.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-3.971	.1756	13.68	-.4510	-.1030	1.298
Stddev	.641	.0581	3.36	.8380	2.521	1.295
%RSD	16.14	33.08	24.52	185.8	2448.	99.75

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.016	-1.437	.1427	-.2520	1.609	.3292
Stddev	.275	.220	.0123	.1308	.139	.3841
%RSD	13.62	15.29	8.623	51.90	8.608	116.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-252963/1-a Acquired: 10/1/2014 16:57:22 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3314	.0345	.6757	3.909
Stddev	.7889	.0146	.3259	15.86
%RSD	238.1	42.23	48.22	405.8

Check ?	Chk Pass	Chk Pass	Chk Pass	None
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3840.8	49520.	11931.
Stddev	15.1	366.	206.
%RSD	.39438	.73816	1.7268

Sample Name: 460-83666-h-2-a Acquired: 10/1/2014 17:01:11 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	283.1	-.7462	.1673	251.6	-.0984	142900.
Stddev	12.4	.3693	.1633	.5	.0476	1424.
%RSD	4.371	49.48	97.63	.2092	48.31	.9965

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2628	.7909	.2736	8.567	1011.	8468.
Stddev	.2169	.0429	.4952	.271	5.	71.
%RSD	82.55	5.418	181.0	3.165	.4539	.8423

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21120.	520.1	F 456500.	8.112	15.76	6.783
Stddev	214.	2.6	8186.	.829	1.00	1.401
%RSD	1.015	.4995	1.793	10.21	6.356	20.66

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9727	-1.855	2.077	29.86	310.3	27.79
Stddev	1.290	.603	.543	.12	1.8	.35
%RSD	132.6	32.54	26.15	.4063	.5835	1.260

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83666-h-2-a Acquired: 10/1/2014 17:01:11 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-1.499	884.9	18.94	7316.
Stddev	.657	1.3	.62	93.
%RSD	43.85	.1436	3.286	1.265

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3398.5	44095.	12175.
Stddev	25.1	83.	159.
%RSD	.73974	.18749	1.3038

Sample Name: 460-83614-c-1-a Acquired: 10/1/2014 17:05:04 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33.97	4.118	-.0542	105.0	-.0641	96180.
Stddev	5.63	2.056	.3349	.3	.0679	1649.
%RSD	16.58	49.93	617.5	.3112	105.9	1.715

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0651	.0485	-.3461	2.341	12440.	2666.
Stddev	.1104	.2132	.3643	2.441	173.	17.
%RSD	169.5	439.5	105.3	104.3	1.393	.6465

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	37000.	399.7	98890.	.9660	-.4354	2.566
Stddev	339.	3.6	35.	1.273	.1662	.736
%RSD	.9166	.8925	.0356	131.8	38.17	28.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0684	3.899	.3932	2.307	35.45	.6154
Stddev	1.160	1.407	.4856	.509	.70	.2147
%RSD	1697.	36.09	123.5	22.08	1.966	34.89

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83614-c-1-a Acquired: 10/1/2014 17:05:04 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3268	222.3	5.041	7666.
Stddev	1.055	1.8	.237	54.
%RSD	322.8	.8283	4.705	.7036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3581.1	46316.	11909.
Stddev	21.2	158.	249.
%RSD	.59317	.34202	2.0897

Sample Name: 460-83614-c-2-a Acquired: 10/1/2014 17:08:47 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	153.7	10.98	-.7946	214.5	-.2602	96230.
Stddev	12.2	1.75	.2927	.2	.0966	294.
%RSD	7.947	15.93	36.83	.1093	37.13	.3055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.2656	.1880	-.0705	2.612	31790.	6282.
Stddev	.1717	.4670	.0783	.708	78.	35.
%RSD	64.65	248.5	111.2	27.11	.2439	.5492

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	41070.	1428.	26420.	.6819	-1.988	4.603
Stddev	315.	.	38.	.6489	3.481	1.661
%RSD	.7662	.0323	.1425	95.17	175.1	36.08

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.222	.6484	.7903	1.342	75.56	1.010
Stddev	3.401	1.654	.1885	.313	.30	.040
%RSD	278.2	255.1	23.86	23.28	.3986	3.952

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83614-c-2-a Acquired: 10/1/2014 17:08:47 Type: Unk
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	- .7320	459.2	6.153	11610.
Stddev	1.249	.9	.313	81.
%RSD	170.7	.2046	5.093	.6946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3560.0	46853.	12143.
Stddev	21.5	304.	67.
%RSD	.60390	.64840	.55157

Sample Name: 460-83614-c-4-a Acquired: 10/1/2014 17:12:31 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	42.68	-1.582	.0650	30.36	-.0784	81480.
Stddev	3.89	1.763	.4292	.68	.0091	436.
%RSD	9.109	111.4	660.6	2.251	11.59	.5352

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0805	-.1451	-.3679	3.698	69.18	2181.
Stddev	.2083	.2089	.3495	1.205	3.95	26.
%RSD	258.8	144.0	95.00	32.57	5.712	1.188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36680.	12.52	108200.	-.0134	-.3703	-1.118
Stddev	199.	.07	85.	.6559	.7293	1.468
%RSD	.5423	.5226	.0787	4880.	196.9	131.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.563	-.3781	.4519	1.711	29.88	.5531
Stddev	1.762	1.060	.4190	.462	.61	.5067
%RSD	112.7	280.4	92.73	27.00	2.039	91.62

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83614-c-4-a Acquired: 10/1/2014 17:12:31 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.2892	135.0	4.926	6418.
Stddev	.4588	.1	.612	72.
%RSD	158.6	.0588	12.43	1.119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3546.3	46595.	12043.
Stddev	16.0	46.	72.
%RSD	.45053	.09955	.60140

Sample Name: 460-83614-c-5-a Acquired: 10/1/2014 17:16:16 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.371	1.129	.1515	.0864	-.0013	5.514
Stddev	3.025	.404	.2950	.2320	.0516	5.880
%RSD	89.74	35.77	194.7	268.7	4083.	106.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0048	-.0052	-.0591	2.093	7.313	-.2955
Stddev	.1232	.2248	.1711	1.890	2.866	33.39
%RSD	2546.	4363.	289.7	90.29	39.19	11300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-4.322	.1258	59.59	.0905	2.637	2.387
Stddev	1.053	.0512	15.60	.4843	3.182	.754
%RSD	24.35	40.71	26.18	535.4	120.7	31.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7600	-.7923	.3826	1.076	5.755	-.1814
Stddev	1.727	.5584	.3981	.239	.371	.3062
%RSD	227.3	70.47	104.1	22.19	6.450	168.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83614-c-5-a Acquired: 10/1/2014 17:16:16 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6362	.0086	.4017	29.51
Stddev	1.418	.1205	.2545	8.37
%RSD	222.9	1396.	63.35	28.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3858.0	49424.	11772.
Stddev	16.8	126.	169.
%RSD	.43538	.25493	1.4389

Sample Name: 460-83657-c-19-a Acquired: 10/1/2014 17:20:03 Type: Unk

Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.081	.2646	-.2668	.2314	-.0222	4.563
Stddev	9.639	.3587	.0914	.1554	.0125	2.415
%RSD	136.1	135.6	34.27	67.13	56.47	52.93

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0968	-.2258	.3779	1.637	-2.053	.7876
Stddev	.1797	.3259	.3739	1.875	6.199	8.340
%RSD	185.6	144.4	98.93	114.5	302.0	1059.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.340	.0627	25.64	.1555	-2.284	.6605
Stddev	2.069	.0839	3.04	.9771	.566	.9153
%RSD	154.4	133.7	11.84	628.4	24.78	138.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2.285	.0718	.1565	.0080	6.397	.0707
Stddev	.767	1.671	.1820	.1190	.262	.2445
%RSD	33.59	2329.	116.3	1483.	4.095	345.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-83657-c-19-a Acquired: 10/1/2014 17:20:03 Type: Unk
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.7742	-.0106	.2919	31.76
Stddev	.8373	.0339	.3860	8.01
%RSD	108.1	320.0	132.2	25.21

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3827.5	49533.	12049.
Stddev	43.3	148.	26.
%RSD	1.1312	.29933	.21496

Sample Name: CCV Acquired: 10/1/2014 17:23:52 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123000.	2471.	1223.	10150.	1015.	124700.
Stddev	515.	11.	4.	5.	6.	662.
%RSD	.4189	.4524	.3651	.0529	.6268	.5305

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1271.	2501.	5065.	12440.	101500.	49640.
Stddev	1.	2.	14.	59.	508.	159.
%RSD	.0872	.0852	.2712	.4744	.5008	.3201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126400.	5094.	126100.	2519.	7615.	981.8
Stddev	708.	18.	623.	4.	17.	3.7
%RSD	.5603	.3604	.4935	.1645	.2214	.3808

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2465.	2564.	2500.	2518.	1008.	2516.
Stddev	14.	13.	10.	3.	2.	3.
%RSD	.5591	.5036	.3805	.1046	.2478	.1379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 10/1/2014 17:23:52 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1005.	5052.	9915.	9753.
Stddev	2.	11.	39.	56.
%RSD	.1624	.2134	.3902	.5709

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3545.1	45895.	12031.
Stddev	4.0	87.	62.
%RSD	.11291	.18984	.51451

Sample Name: CCB Acquired: 10/1/2014 17:27:27 Type: QC
Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca3181
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	318.128 {106}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.060	3.005	-.0347	.2376	.0217	2.782
Stddev	10.38	.641	.1312	.2461	.1360	8.578
%RSD	255.7	21.33	377.7	103.6	625.5	308.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0582	-.1388	-.1942	1.003	3.249	9.730
Stddev	.1603	.1865	.7438	1.711	5.776	3.474
%RSD	275.2	134.4	383.0	170.7	177.8	35.71

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.070	.1644	28.88	.1927	-.5220	2.411
Stddev	4.037	.0928	11.02	.3490	3.083	.370
%RSD	377.2	56.42	38.16	181.1	590.7	15.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.946	-.3798	.1126	-.1545	1.596	1.242
Stddev	3.118	1.503	.2770	.1564	.390	.551
%RSD	160.2	395.6	246.0	101.2	24.46	44.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 10/1/2014 17:27:27 Type: QC
 Method: 10012014(v2) Mode: CONC Corr. Factor: 1.000000
 User: admin Custom ID1: Custom ID2: Custom ID3:
 Comment:

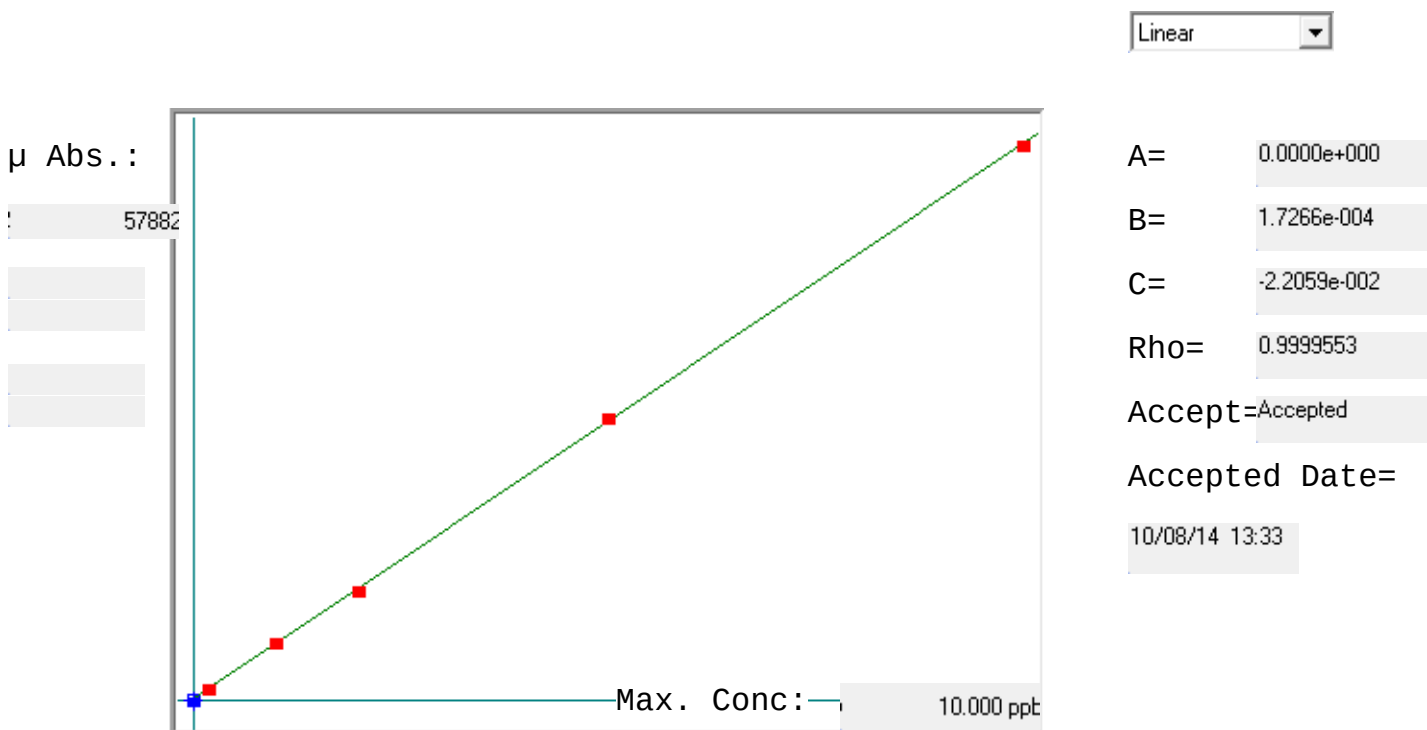
Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.8263	.1619	1.452	10.61
Stddev	.3632	.2171	1.234	15.21
%RSD	43.95	134.1	84.99	143.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	3852.0	50190.	12462.
Stddev	10.0	174.	129.
%RSD	.25975	.34716	1.0312

Sample ID	Extended ID	Conc.	Units	Element	μ Abs.	Date	Method	Chapter
Cal Blk - 1		-	ppb	Hg	68	08 Oct 2014	13:21:55245.1-7470a	254511
0.2 ppb - 1		-	ppb	Hg	1223	08 Oct 2014	13:23:46245.1-7470a	254511
1.0 ppb - 1		-	ppb	Hg	6022	08 Oct 2014	13:25:38245.1-7470a	254511
2.0 ppb - 1		-	ppb	Hg	11517	08 Oct 2014	13:27:30245.1-7470a	254511
5.0 ppb - 1		-	ppb	Hg	29463	08 Oct 2014	13:29:22245.1-7470a	254511
10 ppb - 1		-	ppb	Hg	57882	08 Oct 2014	13:31:14245.1-7470a	254511
ICV - 1		101.3% 5.0649	ppb	Hg	29462	08 Oct 2014	13:33:33245.1-7470a	254511
ICB - 1		-0.0519	ppb	Hg	-173	08 Oct 2014	13:35:23245.1-7470a	254511
QCS - 1		103.1% 5.1559	ppb	Hg	29989	08 Oct 2014	13:37:17245.1-7470a	254511
MCL - 1		97.3% 1.9451	ppb	Hg	11393	08 Oct 2014	13:39:09245.1-7470a	254511
MB 460-254511/1-A - 1		-0.0419	ppb	Hg	-115	08 Oct 2014	13:41:03245.1-7470a	254511
LCS 460-254511/2-A - 1		1.0250	ppb	Hg	6064	08 Oct 2014	13:42:55245.1-7470a	254511
460-81949-G-1-A - 1		-0.0336	ppb	Hg	-67	08 Oct 2014	13:44:46245.1-7470a	254511
460-81949-G-1-B DU - 1		-0.0252	ppb	Hg	-18	08 Oct 2014	13:46:37245.1-7470a	254511
460-81949-G-1-C MS - 1		0.9785	ppb	Hg	5795	08 Oct 2014	13:48:28245.1-7470a	254511
sd 460-81949-G-1-A@5 - 1		-0.0272	ppb	Hg	-30	08 Oct 2014	13:50:18245.1-7470a	254511
460-83665-G-1-B - 1		-0.0193	ppb	Hg	16	08 Oct 2014	13:52:09245.1-7470a	254511
460-83859-A-1-B - 1		-0.0252	ppb	Hg	-18	08 Oct 2014	13:54:00245.1-7470a	254511
460-83915-H-7-B - 1		-0.0126	ppb	Hg	55	08 Oct 2014	13:55:51245.1-7470a	254511
CCV - 1		99.7% 4.9832	ppb	Hg	28989	08 Oct 2014	13:57:43245.1-7470a	254511
CCB - 1		-0.0478	ppb	Hg	-149	08 Oct 2014	13:59:33245.1-7470a	254511
460-83915-H-8-B - 1		0.2592	ppb	Hg	1629	08 Oct 2014	14:01:27245.1-7470a	254511
460-83915-H-9-B - 1		0.2483	ppb	Hg	1566	08 Oct 2014	14:03:19245.1-7470a	254511
460-84076-F-1-B - 1		-0.0234	ppb	Hg	-8	08 Oct 2014	14:05:11245.1-7470a	254511
460-83615-G-2-D - 1		-0.0271	ppb	Hg	-29	08 Oct 2014	14:07:03245.1-7470a	254511
460-83636-H-1-B - 1		-0.0303	ppb	Hg	-48	08 Oct 2014	14:08:54245.1-7470a	254511
460-83636-H-2-B - 1		-0.0228	ppb	Hg	-4	08 Oct 2014	14:10:45245.1-7470a	254511
MB 460-254505/1-B - 1		-0.0231	ppb	Hg	-6	08 Oct 2014	14:12:35245.1-7470a	254511
LCS 460-254516/2-A - 1		0.9554	ppb	Hg	5661	08 Oct 2014	14:14:26245.1-7470a	254511
460-84055-D-1-E - 1		-0.0335	ppb	Hg	-66	08 Oct 2014	14:16:17245.1-7470a	254511
CCV - 1		97.9% 4.8945	ppb	Hg	28475	08 Oct 2014	14:18:07245.1-7470a	254511
CCB - 1		-0.0521	ppb	Hg	-174	08 Oct 2014	14:19:58245.1-7470a	254511
460-84055-D-1-F DU - 1		-0.0240	ppb	Hg	-11	08 Oct 2014	14:21:52245.1-7470a	254511
460-84055-E-1-C MS - 1		0.9889	ppb	Hg	5855	08 Oct 2014	14:23:42245.1-7470a	254511
sd 460-84055-D-1-E@5 - 1		-0.0398	ppb	Hg	-103	08 Oct 2014	14:25:33245.1-7470a	254511
460-83891-B-5-A - 1		-0.0302	ppb	Hg	-47	08 Oct 2014	14:27:26245.1-7470a	254511
460-83891-B-10-A - 1		-0.0286	ppb	Hg	-38	08 Oct 2014	14:29:18245.1-7470a	254511
460-83891-B-11-A - 1		-0.0291	ppb	Hg	-41	08 Oct 2014	14:31:10245.1-7470a	254511
460-83891-B-16-A - 1		-0.0278	ppb	Hg	-33	08 Oct 2014	14:33:02245.1-7470a	254511
460-83891-B-22-A - 1		-0.0271	ppb	Hg	-29	08 Oct 2014	14:34:53245.1-7470a	254511
460-83891-B-28-A - 1		-0.0250	ppb	Hg	-17	08 Oct 2014	14:36:44245.1-7470a	254511
CCV - 1		97.1% 4.8539	ppb	Hg	28240	08 Oct 2014	14:38:35245.1-7470a	254511
CCB - 1		-0.0462	ppb	Hg	-140	08 Oct 2014	14:40:26245.1-7470a	254511
460-83891-B-34-A - 1		-0.0319	ppb	Hg	-57	08 Oct 2014	14:42:20245.1-7470a	254511
460-83891-B-41-A - 1		-0.0283	ppb	Hg	-36	08 Oct 2014	14:44:11245.1-7470a	254511
460-83891-B-44-A - 1		-0.0297	ppb	Hg	-44	08 Oct 2014	14:46:01245.1-7470a	254511
460-83891-D-45-A - 1		-0.0286	ppb	Hg	-38	08 Oct 2014	14:47:53245.1-7470a	254511
460-83908-B-5-A - 1		-0.0272	ppb	Hg	-30	08 Oct 2014	14:49:44245.1-7470a	254511
460-83908-B-9-A - 1		-0.0281	ppb	Hg	-35	08 Oct 2014	14:51:35245.1-7470a	254511
460-83908-B-15-A - 1		-0.0269	ppb	Hg	-28	08 Oct 2014	14:53:27245.1-7470a	254511
460-83908-B-20-A - 1		-0.0262	ppb	Hg	-24	08 Oct 2014	14:55:19245.1-7470a	254511
460-83908-B-25-A - 1		-0.0274	ppb	Hg	-31	08 Oct 2014	14:57:11245.1-7470a	254511
CCV - 1		98.3% 4.9166	ppb	Hg	28603	08 Oct 2014	14:59:03245.1-7470a	254511
CCB - 1		-0.0424	ppb	Hg	-118	08 Oct 2014	15:00:54245.1-7470a	254511
460-83908-D-26-A - 1		-0.0319	ppb	Hg	-57	08 Oct 2014	15:02:48245.1-7470a	254511
460-84055-E-2-B - 1		-0.0255	ppb	Hg	-20	08 Oct 2014	15:04:39245.1-7470a	254511
460-84055-D-3-B - 1		-0.0264	ppb	Hg	-25	08 Oct 2014	15:06:30245.1-7470a	254511
460-84055-D-4-B - 1		-0.0262	ppb	Hg	-24	08 Oct 2014	15:08:22245.1-7470a	254511
MB 460-254518/1-A - 1		-0.0190	ppb	Hg	18	08 Oct 2014	15:10:13245.1-7470a	254511
LCS 460-254518/2-A - 1		5.0019	ppb	Hg	29097	08 Oct 2014	15:12:04245.1-7470a	254511
460-83965-A-1-K - 1		-0.0549	ppb	Hg	-190	08 Oct 2014	15:13:56245.1-7470a	254511
460-83965-A-1-L DU - 1		-0.0319	ppb	Hg	-57	08 Oct 2014	15:15:49245.1-7470a	254511
460-83965-A-1-M MS - 1		5.2376	ppb	Hg	30462	08 Oct 2014	15:17:40245.1-7470a	254511
CCV - 1		101.0% 5.0487	ppb	Hg	29368	08 Oct 2014	15:19:32245.1-7470a	254511
CCB - 1		-0.0512	ppb	Hg	-169	08 Oct 2014	15:21:24245.1-7470a	254511
sd 460-83965-A-1-K@5 - 1		-0.0288	ppb	Hg	-39	08 Oct 2014	15:23:18245.1-7470a	254511
460-83883-A-1-C - 1		-0.0245	ppb	Hg	-14	08 Oct 2014	15:25:10245.1-7470a	254511
460-83996-A-1-H - 1		-0.0205	ppb	Hg	9	08 Oct 2014	15:27:02245.1-7470a	254511
460-83999-A-1-D - 1		-0.0138	ppb	Hg	48	08 Oct 2014	15:28:54245.1-7470a	254511
460-83960-A-1-D - 1		-0.0114	ppb	Hg	62	08 Oct 2014	15:30:46245.1-7470a	254511
460-83965-A-2-K - 1		-0.0248	ppb	Hg	-16	08 Oct 2014	15:32:37245.1-7470a	254511
460-83966-A-1-K - 1		-0.0255	ppb	Hg	-20	08 Oct 2014	15:34:29245.1-7470a	254511
460-83966-A-2-O - 1		0.0109	ppb	Hg	191	08 Oct 2014	15:36:20245.1-7470a	254511
460-83974-A-1-C - 1		-0.0248	ppb	Hg	-16	08 Oct 2014	15:38:11245.1-7470a	254511
CCV - 1		98.7% 4.9337	ppb	Hg	28702	08 Oct 2014	15:40:03245.1-7470a	254511
CCB - 1		-0.0443	ppb	Hg	-129	08 Oct 2014	15:41:54245.1-7470a	254511
460-83981-A-1-E - 1		HIGH	ppb	Hg	190021	08 Oct 2014	15:43:47245.1-7470a	254511
460-83983-A-1-C - 1		-0.1030	ppb	Hg	-469	08 Oct 2014	15:45:12245.1-7470a	254511
LB 460-254355/1-F - 1		-0.0438	ppb	Hg	-126	08 Oct 2014	15:47:13245.1-7470a	254511
CCV - 1		100.6% 5.0314	ppb	Hg	29268	08 Oct 2014	15:49:05245.1-7470a	254511
CCB - 1		-0.0490	ppb	Hg	-156	08 Oct 2014	15:50:55245.1-7470a	254511
460-83981-A-1-E@5 - 1		10.9009	ppb	Hg	63262	08 Oct 2014	16:01:22245.1-7470a	254511
460-83983-A-1-C - 1		-0.0221	ppb	Hg	0	08 Oct 2014	16:03:13245.1-7470a	254511
460-83981-A-1-E@10 - 1		6.1515	ppb	Hg	35755	08 Oct 2014	16:06:18245.1-7470a	254511
460-83983-A-1-C - 1		-0.0611	ppb	Hg	-226	08 Oct 2014	16:08:09245.1-7470a	254511
CCV - 1		97.2% 4.8582	ppb	Hg	28265	08 Oct 2014	16:10:04245.1-7470a	254511
CCB - 1		-0.0454	ppb	Hg	-135	08 Oct 2014	16:11:55245.1-7470a	254511

245.1-7470a



Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blk	0.000	-0.010	-0.010	68	0.000	68				
0.2 ppb	0.200	0.189	-0.011	1223	0.0 %	1223				
1.0 ppb	1.000	1.018	0.018	6022	0.0 %	6022				
2.0 ppb	2.000	1.966	-0.034	11517	0.0 %	11517				
5.0 ppb	5.000	5.065	0.065	29463	0.0 %	29463				
10 ppb	10.000	9.972	-0.028	57882	0.0 %	57882				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 252960 Batch Start Date: 10/01/14 08:00 Batch Analyst: Yang, QinBatch Method: 200.7 Batch End Date: 10/01/14 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME LCS-int 00047			
MB 460-252960/1		200.7, 200.7 Rev 4.4		100 mL	100 mL				
LCS 460-252960/2		200.7, 200.7 Rev 4.4		100 mL	100 mL	2 mL			
460-83615-G-2	Effluent - Grab	200.7, 200.7 Rev 4.4	R	100 mL	100 mL				
460-83615-G-2 DU	Effluent - Grab	200.7, 200.7 Rev 4.4	R	100 mL	100 mL				
460-83615-G-2 MS	Effluent - Grab	200.7, 200.7 Rev 4.4	R	100 mL	100 mL	2 mL			

Batch Notes	
Batch Comment	1:1 HCL - MPR268, 1:1 HNO3 MPR 267
Lot # of hydrochloric acid	0000086340
Lot # of Nitric Acid	1:1 HNO3 - MPR263
Hood ID or number	4
Hot Block ID number	4
Oven, Bath or Block Temperature 1	97 uncorr 95 corr Degrees C
Pipette ID	#6
ID number of the thermometer	ICP-3 (CF -2)
Digestion Tube/Cup Lot #	J197897 (100mL Digi Tubes)

Basis	Basis Description
R	Total Recoverable

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.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 254511 Batch Start Date: 10/08/14 09:00 Batch Analyst: Sheikh, Razia BBatch Method: 245.1 Batch End Date: 10/08/14 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 01848			
MB 460-254511/1		245.1, 245.1		30 mL	30 mL				
LCS 460-254511/2		245.1, 245.1		30 mL	30 mL	0.3 mL			
460-81949-G-1 DU		245.1, 245.1	T	30 mL	30 mL				
460-81949-G-1 MS		245.1, 245.1	T	30 mL	30 mL	0.3 mL			
460-83615-G-2	Effluent - Grab	245.1, 245.1	T	30 mL	30 mL				
ICV 460-254511/21		245.1, 245.1		30 mL	30 mL	1.5 mL			
CCV 460-254511/23		245.1, 245.1		30 mL	30 mL	1.5 mL			

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr02265
Sulfuric Acid Lot Number	0000065090
Lot # of hydrochloric acid	hgr02266
Lot # of Nitric Acid	0000080824
Hood ID or number	# 2
Hot Block ID number	3
Potassium Persulfate Lot Number	hgr02263
Potassium Permanganate Lot Number	hgr02267
NaCl Lot #	hgr02265
Pipette ID	# 3,44,48
Stannous Chloride Lot Number	hgr02262
Temperature	97 uncorr, 95 corr. Degrees C
ID number of the thermometer	prep-1(cf-2)
Digestion Tube/Cup Lot #	189516

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

Page 1 of 1

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1

SDG No.: _____

Project: NY Concrete

Client Sample ID	Lab Sample ID
<u>Effluent - Composite</u>	<u>460-83615-1</u>
<u>Effluent - Grab</u>	<u>460-83615-2</u>

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 460-83615-1

SDG No.: _____

Project: NY Concrete

Client Sample ID	Lab Sample ID
<u>Effluent - Composite</u>	<u>460-83615-1</u>

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: Effluent - Composite Lab Sample ID: 460-83615-1
Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG ID.: _____
Matrix: Water Date Sampled: 09/30/2014 07:20
Reporting Basis: WET Date Received: 09/30/2014 12:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Carbonaceous Biochemical Oxygen Demand 5	1.7	6.0	1.7	mg/L	U		1	SM 5210B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: Effluent - Grab Lab Sample ID: 460-83615-2
Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG ID.: _____
Matrix: Water Date Sampled: 09/30/2014 07:45
Reporting Basis: WET Date Received: 09/30/2014 12:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	SGT-HEM	2.2	5.2	2.1	mg/L	J		1	1664A
16887-00-6	Chloride	519	25.0	14.6	mg/L			5	SM 4500 Cl- E
18540-29-9	Chromium (hexavalent)	4.8	10.0	3.2	ug/L	J		1	I 1230

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: Effluent - Grab

Lab Sample ID: 460-83615-2

Lab Name: TestAmerica Edison

Job No.: 460-83615-1

SDG ID.: _____

Matrix: Water

Date Sampled: 09/30/2014 07:45

Reporting Basis: WET

Date Received: 09/30/2014 12:25

CAS No.	Analyte	Result			Units	C	Q	DIL	Method
	Ignitability	>160			Degrees F			1	1020B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: Effluent - Grab Lab Sample ID: 460-83615-2
Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG ID.: _____
Matrix: Water Date Sampled: 09/30/2014 07:45
Reporting Basis: WET Date Received: 09/30/2014 12:25

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Total Solids	1600	10.0		mg/L			1	SM 2540B
	Total Suspended Solids	3.5	1.0		mg/L			1	SM 2540D

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: Effluent - Composite

Lab Sample ID: 460-83615-1

Lab Name: TestAmerica Buffalo

Job No.: 460-83615-1

SDG ID.:

Matrix: Water

Date Sampled: 09/30/2014 07:20

Reporting Basis: WET

Date Received: 09/30/2014 12:25

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Total Kjeldahl Nitrogen	1.0	0.20	0.15	mg/L		B	1	351.2_AS P
14797-65-0	Nitrite as N	0.32	0.050	0.020	mg/L			1	353.2
	Nitrate Nitrite as N	2.1	0.050	0.020	mg/L			1	SM 4500 NO3 F

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: Effluent - Composite

Lab Sample ID: 460-83615-1

Lab Name: TestAmerica Buffalo

Job No.: 460-83615-1

SDG ID.: _____

Matrix: Water

Date Sampled: 09/30/2014 07:20

Reporting Basis: WET

Date Received: 09/30/2014 12:25

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
	Nitrogen, Total	3.1	0.20		mg/L			1	Total Nitrogen

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Analyst: MCC Batch Start Date: 10/08/2014
Reporting Units: mg/L Analytical Batch No.: 254589

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	ICV	11:03	Chloride	50.91	50.0	102	90-110		WTchlss1_00012
2	ICB	11:03	Chloride	2.9				U	
3	CCV	11:55	Chloride	51.45	50.0	103	90-110		WTchlss1_00012
4	CCB	11:55	Chloride	2.9				U	
15	CCV	11:58	Chloride	52.26	50.0	105	90-110		WTchlss1_00012
16	CCB	11:58	Chloride	2.9				U	
21	CCV	12:12	Chloride	51.72	50.0	103	90-110		WTchlss1_00012
22	CCB	12:12	Chloride	2.9				U	
26	CCV	12:15	Chloride	54.22	50.0	108	90-110		WTchlss1_00012
27	CCB	12:15	Chloride	2.9				U	
28	CCV	12:22	Chloride	53.72	50.0	107	90-110		WTchlss1_00012
29	CCB	12:22	Chloride	2.9				U	
31	CCV	12:24	Chloride	53.51	50.0	107	90-110		WTchlss1_00012
32	CCB	12:24	Chloride	2.9				U	

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

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Analyst: PXP Batch Start Date: 09/30/2014
Reporting Units: ug/L Analytical Batch No.: 252822

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	ICV	21:47	Chromium (hexavalent)	76.57	75.0	102	90-110		WThcrIM4_00042
8	ICB	21:47	Chromium (hexavalent)	3.2				U	
14	CCV	21:47	Chromium (hexavalent)	76.57	75.0	102	90-110		WThcrIM4_00042
15	CCB	21:47	Chromium (hexavalent)	3.2				U	

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

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1
 SDG No.: _____
 Analyst: CLT Batch Start Date: 10/07/2014
 Reporting Units: mg/L Analytical Batch No.: 206465

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
13	CCV	17:07	Total Kjeldahl Nitrogen	2.62	2.50	105	90-110		TKN CCV_00026
14	CCB	17:07	Total Kjeldahl Nitrogen	0.15				U	
19	CCV	17:10	Total Kjeldahl Nitrogen	2.58	2.50	103	90-110		TKN CCV_00026
20	CCB	17:10	Total Kjeldahl Nitrogen	0.15				U	
21	CCV	17:36	Total Kjeldahl Nitrogen	2.59	2.50	104	90-110		TKN CCV_00026
22	CCB	17:36	Total Kjeldahl Nitrogen	0.15				U	
33	CCV	17:45	Total Kjeldahl Nitrogen	2.53	2.50	101	90-110		TKN CCV_00026
34	CCB	17:45	Total Kjeldahl Nitrogen	0.15				U	
88	CCV	19:03	Total Kjeldahl Nitrogen	2.43	2.50	97	90-110		TKN CCV_00026
89	CCB	19:03	Total Kjeldahl Nitrogen	0.15				U	
100	CCV	19:12	Total Kjeldahl Nitrogen	2.50	2.50	100	90-110		TKN CCV_00026
101	CCB	19:12	Total Kjeldahl Nitrogen	0.15				U	

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

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1
SDG No.: _____
Analyst: RS Batch Start Date: 10/01/2014
Reporting Units: mg/L Analytical Batch No.: 205542

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
1	CCV	19:08	Nitrite as N	1.52	1.50	101	90-110		Nitrite CCV_00026
2	CCB	19:09	Nitrite as N	0.020				U	
13	CCV	19:21	Nitrite as N	1.49	1.50	99	90-110		Nitrite CCV_00026
14	CCB	19:22	Nitrite as N	0.020				U	
25	CCV	19:35	Nitrite as N	1.47	1.50	98	90-110		Nitrite CCV_00026
26	CCB	19:36	Nitrite as N	0.020				U	
37	CCV	19:48	Nitrite as N	1.50	1.50	100	90-110		Nitrite CCV_00026
38	CCB	19:49	Nitrite as N	0.020				U	
48	CCV	20:00	Nitrite as N	1.49	1.50	99	90-110		Nitrite CCV_00026
49	CCB	20:01	Nitrite as N	0.020				U	

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

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1
 SDG No.: _____
 Analyst: RS Batch Start Date: 10/01/2014
 Reporting Units: mg/L Analytical Batch No.: 205526

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
2	CCV	16:53	Nitrate Nitrite as N	1.58	1.50	105	90-110		Nitrate CCV_00026
3	CCB	16:54	Nitrate Nitrite as N	0.020				U	
14	CCV	17:07	Nitrate Nitrite as N	1.53	1.50	102	90-110		Nitrate CCV_00026
15	CCB	17:08	Nitrate Nitrite as N	0.020				U	
26	CCV	17:21	Nitrate Nitrite as N	1.51	1.50	101	90-110		Nitrate CCV_00026
27	CCB	17:22	Nitrate Nitrite as N	0.020				U	
50	CCV	17:48	Nitrate Nitrite as N	1.49	1.50	99	90-110		Nitrate CCV_00026
51	CCB	17:49	Nitrate Nitrite as N	0.020				U	
62	CCV	18:02	Nitrate Nitrite as N	1.47	1.50	98	90-110		Nitrate CCV_00026
63	CCB	18:03	Nitrate Nitrite as N	0.020				U	
74	CCV	18:15	Nitrate Nitrite as N	1.44	1.50	96	90-110		Nitrate CCV_00026
75	CCB	18:17	Nitrate Nitrite as N	0.020				U	

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

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 255075 Date: 10/10/2014 12:44 1664A MB 460-255075/1		SGT-HEM	2.0	U	mg/L	5.0	1
Batch ID: 252822 Date: 09/30/2014 21:47 I 1230 MB 460-252822/9		Chromium (hexavalent)	3.2	U	ug/L	10.0	1
Batch ID: 253177 Date: 10/02/2014 08:33 SM 2540B MB 460-253177/1		Total Solids	10.0	U	mg/L	10.0	1
Batch ID: 253182 Date: 10/02/2014 08:49 SM 2540D MB 460-253182/1		Total Suspended Solids	1.0	U	mg/L	1.0	1
Batch ID: 254589 Date: 10/08/2014 11:55 SM 4500 MB 460-254589/5 Cl- E		Chloride	2.9	U	mg/L	5.0	1
Batch ID: 254188 Date: 10/01/2014 14:31 SM 5210B MB 460-254188/1		Carbonaceous Biochemical Oxygen Demand 5	0.0200		mg/L	0.0000020	1

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo

Job No.: 460-83615-1

SDG No.: _____

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 206465 Date: 10/07/2014 17:36 Prep Batch: 206289 Date: 10/07/2014 05:54							
351.2_ASP	MB 480-206289/1-A	Total Kjeldahl Nitrogen	0.195	J	mg/L	0.20	1
Batch ID: 205542 Date: 10/01/2014 19:10							
353.2	MB 480-205542/3	Nitrite as N	0.020	U	mg/L	0.050	1
Batch ID: 205542 Date: 10/01/2014 19:37							
353.2	MB 480-205542/27	Nitrite as N	0.020	U	mg/L	0.050	1
Batch ID: 205526 Date: 10/01/2014 16:55							
SM 4500 NO3 F	MB 480-205526/4	Nitrate Nitrite as N	0.020	U	mg/L	0.050	1
Batch ID: 205526 Date: 10/01/2014 17:50							
SM 4500 NO3 F	MB 480-205526/52	Nitrate Nitrite as N	0.020	U	mg/L	0.050	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 255075 Date: 10/10/2014 12:44											
1664A	460-83615-2	SGT-HEM	2.2	J	mg/L						
1664A	460-83615-2	SGT-HEM	18.13		mg/L	20.8	76	64-132			
MS											
Batch ID: 252822 Date: 09/30/2014 21:47											
I 1230	460-83615-2	Chromium (hexavalent)	4.8	J	ug/L						
I 1230	460-83615-2	Chromium (hexavalent)	36.44		ug/L	30.0	105	85-115			
MS											
Batch ID: 254589 Date: 10/08/2014 12:12											
SM 4500	460-83700-G-4	Chloride	171		mg/L						
Cl- E											
SM 4500	460-83700-G-4	Chloride	718.4		mg/L	500	110	80-118			
Cl- E	MS										

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

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 254589 Date: 10/08/2014 12:12											
SM 4500	460-83700-G-4	Chloride	723.6		mg/L	500	111	80-118	1	10	
Cl- E	MSD										

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

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 206465 Date: 10/07/2014 19:03 Prep Batch: 206289 Date: 10/07/2014 05:54											
351.2_A	480-68448-D-1	Total Kjeldahl Nitrogen	0.95		mg/L						B
SP	-B										
351.2_A	480-68448-D-1	Total Kjeldahl Nitrogen	1.70		mg/L	1.00	74	90-110			F1
SP	-B MS										
Batch ID: 205542 Date: 10/01/2014 19:20											
353.2	480-68310-C-7	Nitrite as N	0.020	U	mg/L						
353.2	480-68310-C-7	Nitrite as N	1.16		mg/L	1.00	116	90-110			F1
	MS										
Batch ID: 205526 Date: 10/01/2014 17:06											
SM 4500	480-68306-I-6	Nitrate Nitrite as N	0.020	U	mg/L						
NO3 F											
SM 4500	480-68306-I-6	Nitrate Nitrite as N	1.12		mg/L	1.00	112	90-110			F1
NO3 F	MS										

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

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 205542 Date: 10/01/2014 19:54											
353.2	480-68334-E-5	Nitrite as N	0.892		mg/L	1.00	89	90-110	6	20	F1
MSD											
Batch ID: 205526 Date: 10/01/2014 18:06											
SM 4500	480-68334-E-5	Nitrate Nitrite as N	0.824		mg/L	1.00	82	90-110	0	20	F1
NO3 F	MSD										

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

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 253507 Date: 10/03/2014 11:00								
1020B		460-83731-D-1	Ignitability	>160	Degree s F			
1020B		460-83731-D-1 DU	Ignitability	>160	Degree s F	NC	10	
Batch ID: 252822 Date: 09/30/2014 21:47								
I 1230	Effluent - Grab	460-83615-2	Chromium (hexavalent)	4.8	ug/L			J
I 1230	Effluent - Grab	460-83615-2 DU	Chromium (hexavalent)	6.04	ug/L	22	20	J
Batch ID: 253177 Date: 10/02/2014 08:33								
SM 2540B	Effluent - Grab	460-83615-2	Total Solids	1600	mg/L			
SM 2540B	Effluent - Grab	460-83615-2 DU	Total Solids	1643	mg/L	2	5	
Batch ID: 253182 Date: 10/02/2014 08:49								
SM 2540D		460-83673-B-1	Total Suspended Solids	380	mg/L			
SM 2540D		460-83673-B-1 DU	Total Suspended Solids	368.0	mg/L	3	5	
Batch ID: 254188 Date: 10/01/2014 14:48								
SM 5210B	Effluent - Composite	460-83615-1	Carbonaceous Biochemical Oxygen Demand 5	1.7	mg/L			U
SM 5210B	Effluent - Composite	460-83615-1 DU	Carbonaceous Biochemical Oxygen Demand 5	1.7	mg/L	NC	27	U

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

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 206465 Date: 10/07/2014 19:03 Prep Batch: 206289 Date: 10/07/2014 05:54								
351.2_ASP	Effluent - Composite	460-83615-1	Total Kjeldahl Nitrogen	1.0	mg/L			
351.2_ASP	Effluent - Composite	460-83615-1 DU	Total Kjeldahl Nitrogen	1.02	mg/L	1	20	
Batch ID: 205542 Date: 10/01/2014 19:31								
353.2		480-68330-E-1	Nitrite as N	0.020	mg/L			J
353.2		480-68330-E-1 DU	Nitrite as N	0.0207	mg/L	5	20	J
Batch ID: 205526 Date: 10/01/2014 17:18								
SM 4500 NO3 F		480-68310-C-3	Nitrate Nitrite as N	0.020	mg/L			U
SM 4500 NO3 F		480-68310-C-3 DU	Nitrate Nitrite as N	0.020	mg/L	NC	20	U

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

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 255075 Date: 10/10/2014 12:44											
						LCS Source: WT1664LCS_00005					
1664A	LCS 460-255075/2	SGT-HEM	16.50		mg/L	20.0	82	64-132	3	34	
Batch ID: 254188 Date: 10/01/2014 14:40											
						LCS Source: WThodLCS_00028					
SM 5210B	LCS 460-254188/2	Carbonaceous Biochemical Oxygen Demand 5	94.90		mg/L	109	87	84.6-11 5.4			

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

FORM VIIA-IN

7A-IN
LAB CONTROL SAMPLE DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 255075 Date: 10/10/2014 12:44			LCSD Source: WT1664LCS_00005								
1664A	LCSD 460-255075/3	SGT-HEM	16.00		mg/L	20.0	80	64-132	3	34	

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 252822 Date: 09/30/2014 21:47											
I 1230	LCSSRM 460-252822/10	Chromium (hexavalent)	74.14		ug/L	LCS Source: WThcrwLCS_00053 72.2	102.7	87.3-11			
								1.9			
Batch ID: 253177 Date: 10/02/2014 08:33											
SM 2540B	LCSSRM 460-253177/2	Total Solids	311.0		mg/L	LCS Source: WTtsLCS_00064 313	99.4	86.3-11			
								2.1			
Batch ID: 253182 Date: 10/02/2014 08:49											
SM 2540D	LCSSRM 460-253182/2	Total Suspended Solids	64.00		mg/L	LCS Source: WTtssLCS_00052 68.8	93.0	82.7-10			
								7.0			
Batch ID: 254589 Date: 10/08/2014 11:55											
SM 4500 Cl- E	LCSSRM 460-254589/6	Chloride	74.87		mg/L	LCS Source: WTchlLCS_00057 71.3	105.0	90.9-10			
								9.0			

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

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 206465 Date: 10/07/2014 17:07 Prep Batch: 206289 Date: 10/07/2014 05:54 LCS Source: TKN1000ppmSTD_00003											
351.2_A SP	LCS 480-206289/2-A	Total Kjeldahl Nitrogen	2.66		mg/L	2.50	107	90-110			
Batch ID: 205542 Date: 10/01/2014 19:11 LCS Source: Nitrite CCV_00026											
353.2	LCS 480-205542/4	Nitrite as N	1.52		mg/L	1.50	101	90-110			
Batch ID: 205542 Date: 10/01/2014 19:38 LCS Source: Nitrite CCV_00026											
353.2	LCS 480-205542/28	Nitrite as N	1.52		mg/L	1.50	101	90-110			
Batch ID: 205526 Date: 10/01/2014 16:57 LCS Source: Nitrate CCV_00026											
SM 4500 NO3 F	LCS 480-205526/5	Nitrate Nitrite as N	1.58		mg/L	1.50	105	90-110			
Batch ID: 205526 Date: 10/01/2014 17:51 LCS Source: Nitrate CCV_00026											
SM 4500 NO3 F	LCS 480-205526/53	Nitrate Nitrite as N	1.50		mg/L	1.50	100	90-110			

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

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: 1020B XMDL Date: 01/01/2009 10:38

Analyte	Wavelength/ Mass	XRL (Degrees F)	XMDL (Degrees F)
Ignitability		1	1

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: 1664A MDL Date: 05/23/2013 11:13

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
SGT-HEM		5	2.03

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: 1664A XMDL Date: 05/23/2013 11:13

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
SGT-HEM		5	2.03

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: SM 2540B RL Date: 10/05/2006 13:35

Analyte	Wavelength/ Mass	RL (mg/L)	
Total Solids		10	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: SM 2540B XMDL Date: 02/11/2014 10:54

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Solids		10	10

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: SM 2540D RL Date: 10/05/2006 13:37

Analyte	Wavelength/ Mass	RL (mg/L)	
Total Suspended Solids		10	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: SM 2540D XMDL Date: 02/11/2014 10:55

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Suspended Solids		10	10

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: Konelab1
Method: SM 4500 Cl- E MDL Date: 11/27/2012 08:54

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Chloride		5	2.91

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: Konelab1
Method: SM 4500 Cl- E XMDL Date: 11/27/2012 08:54

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Chloride		5	2.91

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: WetHexSpec
Method: I 1230 MDL Date: 01/26/2013 22:37

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Chromium (hexavalent)		10	3.21

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: WetHexSpec
Method: I 1230 XMDL Date: 01/26/2013 22:43

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Chromium (hexavalent)		10	3.21

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: SM 5210B MDL Date: 12/12/2012 11:47

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Carbonaceous Biochemical Oxygen Demand 5		2	0.576

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: SM 5210B XMDL Date: 12/12/2012 11:47

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Carbonaceous Biochemical Oxygen Demand 5		2	0.576

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: KONE1
Method: 351.2_ASP MDL Date: 01/14/2010 00:00
Prep Method: 351.2

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Total Kjeldahl Nitrogen		0.2	0.15

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: KONE1
Method: 351.2_ASP XMDL Date: 01/14/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Total Kjeldahl Nitrogen		0.2	0.15

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: LACHAT3
Method: 353.2 MDL Date: 01/16/2010 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Nitrite as N		0.05	0.02

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: LACHAT3
Method: 353.2 XMDL Date: 01/16/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrite as N		0.05	0.02

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: LACHAT3
Method: SM 4500 NO3 F MDL Date: 01/16/2010 00:00

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Nitrate Nitrite as N		0.05	0.02

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: LACHAT3
Method: SM 4500 NO3 F XMDL Date: 01/16/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrate Nitrite as N		0.05	0.02

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: Total Nitrogen RL Date: 08/17/2009 12:13

Analyte	Wavelength/ Mass	RL (mg/L)	
Nitrogen, Total		0.2	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 460-83615-1
SDG Number: _____
Matrix: Water Instrument ID: NOEQUIP
Method: Total Nitrogen XMDL Date: 08/17/2009 12:13

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Nitrogen, Total		0.2	0.15

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Prep Method: 351.2

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-206289/1-A	10/07/2014 05:54	206289		25	25
LCS 480-206289/2-A	10/07/2014 05:54	206289		25	25
460-83615-1	10/07/2014 05:54	206289		25	25
460-83615-1 DU	10/07/2014 05:54	206289		25	25
480-68448-D-1-B MS	10/07/2014 05:54	206289		25	25

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 1020B

Start Date: 10/03/2014 10:42 End Date: 10/03/2014 11:48

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				I g n																	
ZZZZZZ			10:42																		
ZZZZZZ			10:45																		
ZZZZZZ			10:53																		
460-83731-D-1 DU	1	T	11:00	X																	
460-83615-2	1	T	11:08	X																	
ZZZZZZ			11:18																		
ZZZZZZ			11:25																		
ZZZZZZ			11:33																		
ZZZZZZ			11:40																		
ZZZZZZ			11:48																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: NOEQUIP Method: 1664A

Start Date: 10/10/2014 12:44 End Date: 10/10/2014 12:44

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				S G T H E M																	
MB 460-255075/1	1	T	12:44	X																	
LCS 460-255075/2	1	T	12:44	X																	
LCSD 460-255075/3	1	T	12:44	X																	
ZZZZZZ			12:44																		
460-83615-2	1	T	12:44	X																	
460-83615-2 MS	1	T	12:44	X																	
ZZZZZZ			12:44																		
ZZZZZZ			12:44																		
ZZZZZZ			12:44																		
ZZZZZZ			12:44																		
ZZZZZZ			12:44																		
ZZZZZZ			12:44																		
ZZZZZZ			12:44																		
ZZZZZZ			12:44																		
ZZZZZZ			12:44																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: NOEQUIP Method: SM 2540B

Start Date: 10/02/2014 08:33 End Date: 10/02/2014 08:33

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				T S																	
MB 460-253177/1	1	T	08:33	X																	
LCSSRM 460-253177/2	1	T	08:33	X																	
460-83615-2	1	T	08:33	X																	
460-83615-2 DU	1	T	08:33	X																	
ZZZZZZ			08:33																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.:

Instrument ID: NOEQUIP Method: SM 2540D

Start Date: 10/02/2014 08:49 End Date: 10/02/2014 08:49

[illegible]

Prep Types

$$T = \text{Total}/NA$$

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: Konelabl Method: SM 4500 Cl- E

Start Date: 10/08/2014 11:03 End Date: 10/08/2014 14:59

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C L -																	
ICV 460-254589/1	1		11:03	X																	
ICB 460-254589/2	1		11:03	X																	
CCV 460-254589/3	1		11:55	X																	
CCB 460-254589/4	1		11:55	X																	
MB 460-254589/5	1	T	11:55	X																	
LCSSRM 460-254589/6	1	T	11:55	X																	
ZZZZZZ			11:55																		
ZZZZZZ			11:55																		
ZZZZZZ			11:55																		
ZZZZZZ			11:55																		
ZZZZZZ			11:55																		
ZZZZZZ			11:55																		
ZZZZZZ			11:55																		
ZZZZZZ			11:55																		
CCV 460-254589/15	1		11:58	X																	
CCB 460-254589/16	1		11:58	X																	
ZZZZZZ			11:58																		
ZZZZZZ			11:58																		
CCV 460-254589/19			11:59																		
CCB 460-254589/20			11:59																		
CCV 460-254589/21	1		12:12	X																	
CCB 460-254589/22	1		12:12	X																	
460-83700-G-4 MS	10	T	12:12	X																	
460-83700-G-4 MSD	10	T	12:12	X																	
ZZZZZZ			12:13																		
CCV 460-254589/26	1		12:15	X																	
CCB 460-254589/27	1		12:15	X																	
CCV 460-254589/28	1		12:22	X																	
CCB 460-254589/29	1		12:22	X																	
460-83615-2	5	T	12:23	X																	
CCV 460-254589/31	1		12:24	X																	
CCB 460-254589/32	1		12:24	X																	
CCV 460-254589/33			12:34																		
CCB 460-254589/34			12:34																		
ZZZZZZ			12:34																		
ZZZZZZ			12:34																		
ZZZZZZ			12:34																		
ZZZZZZ			12:34																		
ZZZZZZ			12:34																		
ZZZZZZ			12:34																		
ZZZZZZ			12:34																		
ZZZZZZ			12:34																		
ZZZZZZ			12:34																		

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: Konelabl Method: SM 4500 Cl- E

Start Date: 10/08/2014 11:03 End Date: 10/08/2014 14:59

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C L -															
ZZZZZZ			12:34																
ZZZZZZ			12:34																
CCV 460-254589/45			12:37																
CCB 460-254589/46			12:37																
ZZZZZZ			12:37																
ZZZZZZ			12:37																
CCV 460-254589/49			12:38																
CCB 460-254589/50			12:38																
CCV 460-254589/51			12:57																
CCB 460-254589/52			12:57																
ZZZZZZ			12:57																
ZZZZZZ			12:57																
CCV 460-254589/55			12:58																
CCB 460-254589/56			12:58																
CCV 460-254589/57			13:16																
CCB 460-254589/58			13:16																
ZZZZZZ			13:16																
ZZZZZZ			13:16																
ZZZZZZ			13:16																
ZZZZZZ			13:16																
ZZZZZZ			13:16																
ZZZZZZ			13:16																
ZZZZZZ			13:16																
ZZZZZZ			13:16																
ZZZZZZ			13:16																
ZZZZZZ			13:16																
CCV 460-254589/69			13:19																
CCB 460-254589/70			13:19																
ZZZZZZ			13:19																
ZZZZZZ			13:19																
ZZZZZZ			13:19																
ZZZZZZ			13:19																
CCV 460-254589/75			13:20																
CCB 460-254589/76			13:20																
CCV 460-254589/77			13:32																
CCB 460-254589/78			13:32																
ZZZZZZ			13:32																
ZZZZZZ			13:32																
ZZZZZZ			13:36																
ZZZZZZ			13:36																
ZZZZZZ			13:36																
ZZZZZZ			13:36																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: Konelabl Method: SM 4500 Cl- E

Start Date: 10/08/2014 11:03 End Date: 10/08/2014 14:59

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C L -															
ZZZZZZ			13:36																
ZZZZZZ			13:36																
ZZZZZZ			13:36																
ZZZZZZ			13:36																
CCV 460-254589/89			13:36																
CCB 460-254589/90			13:36																
ZZZZZZ			13:36																
ZZZZZZ			13:36																
ZZZZZZ			13:52																
ZZZZZZ			13:52																
CCV 460-254589/95			13:52																
CCB 460-254589/96			13:52																
CCV 460-254589/97			14:11																
CCB 460-254589/98			14:11																
ZZZZZZ			14:11																
ZZZZZZ			14:11																
ZZZZZZ			14:11																
ZZZZZZ			14:11																
ZZZZZZ			14:11																
ZZZZZZ			14:11																
ZZZZZZ			14:11																
ZZZZZZ			14:11																
ZZZZZZ			14:11																
ZZZZZZ			14:11																
CCV 460-254589/109			14:17																
CCB 460-254589/110			14:17																
ZZZZZZ			14:17																
ZZZZZZ			14:17																
ZZZZZZ			14:18																
CCV 460-254589/114			14:28																
CCB 460-254589/115			14:29																
CCV 460-254589/116			14:53																
CCB 460-254589/117			14:53																
ZZZZZZ			14:53																
ZZZZZZ			14:53																
ZZZZZZ			14:53																
ZZZZZZ			14:53																
ZZZZZZ			14:57																
ZZZZZZ			14:57																
CCV 460-254589/124			14:59																
CCB 460-254589/125			14:59																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1
SDG No.: _____
Instrument ID: Konelab1 Method: SM 4500 Cl- E
Start Date: 10/08/2014 11:03 End Date: 10/08/2014 14:59

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: WetHexSpec Method: I 1230

Start Date: 09/30/2014 21:47 End Date: 09/30/2014 21:47

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C r 6																	
ICV 460-252822/7	1		21:47	X																	
ICB 460-252822/8	1		21:47	X																	
MB 460-252822/9	1	T	21:47	X																	
LCSSRM 460-252822/10	1	T	21:47	X																	
460-83615-2	1	T	21:47	X																	
460-83615-2 DU	1	T	21:47	X																	
460-83615-2 MS	1	T	21:47	X																	
CCV 460-252822/14	1		21:47	X																	
CCB 460-252822/15	1		21:47	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Instrument ID: NOEQUIP Method: SM 5210B

Start Date: 10/01/2014 07:41 End Date: 10/07/2014 07:41

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C B O D																	
MB 460-254188/1	1	T	14:31	X																	
LCS 460-254188/2	1	T	14:40	X																	
460-83615-1	1	T	14:46	X																	
460-83615-1 DU	1	T	14:48	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Instrument ID: KONE1 Method: 351.2_ASP

Start Date: 10/07/2014 15:33 End Date: 10/07/2014 19:47

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T K N															
CCV 480-206465/1			15:33																
CCB 480-206465/2			15:33																
CCV 480-206465/3			16:02																
CCB 480-206465/4			16:02																
CCV 480-206465/5			16:30																
CCB 480-206465/6			16:30																
ZZZZZZ			16:30																
ZZZZZZ			16:30																
ZZZZZZ			16:30																
ZZZZZZ			16:30																
CCV 480-206465/11			16:32																
CCB 480-206465/12			16:32																
CCV 480-206465/13	1		17:07	X															
CCB 480-206465/14	1		17:07	X															
ZZZZZZ			17:07																
ZZZZZZ			17:07																
ZZZZZZ			17:07																
LCS 480-206289/2-A	1	T	17:07	X															
CCV 480-206465/19	1		17:10	X															
CCB 480-206465/20	1		17:10	X															
CCV 480-206465/21	1		17:36	X															
CCB 480-206465/22	1		17:36	X															
ZZZZZZ			17:36																
MB 480-206289/1-A	1	T	17:36	X															
ZZZZZZ			17:36																
ZZZZZZ			17:36																
ZZZZZZ			17:36																
ZZZZZZ			17:36																
ZZZZZZ			17:36																
ZZZZZZ			17:36																
ZZZZZZ			17:36																
ZZZZZZ			17:36																
CCV 480-206465/33	1		17:45	X															
CCB 480-206465/34	1		17:45	X															
ZZZZZZ			17:45																
ZZZZZZ			17:45																
ZZZZZZ			17:45																
ZZZZZZ			17:45																
ZZZZZZ			17:45																
ZZZZZZ			17:45																
ZZZZZZ			17:45																
ZZZZZZ			17:45																
ZZZZZZ			17:45																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Instrument ID: KONE1 Method: 351.2_ASP

Start Date: 10/07/2014 15:33 End Date: 10/07/2014 19:47

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T K N															
ZZZZZZ			17:45																
ZZZZZZ			17:45																
CCV 480-206465/45			17:54																
CCB 480-206465/46			17:54																
ZZZZZZ			17:54																
ZZZZZZ			17:54																
ZZZZZZ			17:54																
ZZZZZZ			17:54																
ZZZZZZ			17:54																
ZZZZZZ			17:55																
ZZZZZZ			17:55																
ZZZZZZ			17:55																
ZZZZZZ			17:55																
ZZZZZZ			17:55																
CCV 480-206465/57			17:59																
CCB 480-206465/58			17:59																
CCV 480-206465/59			18:22																
CCB 480-206465/60			18:22																
ZZZZZZ			18:22																
ZZZZZZ			18:22																
ZZZZZZ			18:22																
ZZZZZZ			18:22																
ZZZZZZ			18:22																
ZZZZZZ			18:22																
ZZZZZZ			18:22																
ZZZZZZ			18:23																
ZZZZZZ			18:23																
ZZZZZZ			18:23																
ZZZZZZ			18:23																
CCV 480-206465/71			18:31																
CCB 480-206465/72			18:31																
ZZZZZZ			18:32																
ZZZZZZ			18:32																
ZZZZZZ			18:32																
ZZZZZZ			18:32																
ZZZZZZ			18:32																
ZZZZZZ			18:32																
ZZZZZZ			18:32																
ZZZZZZ			18:32																
ZZZZZZ			18:32																
CCV 480-206465/83			18:37																
CCB 480-206465/84			18:37																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Instrument ID: KONE1 Method: 351.2_ASP

Start Date: 10/07/2014 15:33 End Date: 10/07/2014 19:47

Lab Sample ID	D / F	T y p e	Time	Analytes															
				T K N															
ZZZZZZ			18:37																
CCV 480-206465/86			18:39																
CCB 480-206465/87			18:39																
CCV 480-206465/88	1		19:03	X															
CCB 480-206465/89	1		19:03	X															
ZZZZZZ			19:03																
ZZZZZZ			19:03																
ZZZZZZ			19:03																
ZZZZZZ			19:03																
ZZZZZZ			19:03																
460-83615-1	1	T	19:03	X															
460-83615-1 DU	1	T	19:03	X															
ZZZZZZ			19:03																
480-68448-D-1-B MS	1	T	19:03	X															
ZZZZZZ			19:03																
CCV 480-206465/100	1		19:12	X															
CCB 480-206465/101	1		19:12	X															
ZZZZZZ			19:12																
ZZZZZZ			19:12																
ZZZZZZ			19:12																
ZZZZZZ			19:12																
ZZZZZZ			19:12																
ZZZZZZ			19:12																
ZZZZZZ			19:12																
ZZZZZZ			19:12																
ZZZZZZ			19:12																
ZZZZZZ			19:12																
ZZZZZZ			19:12																
CCV 480-206465/112			19:17																
CCB 480-206465/113			19:17																
CCV 480-206465/114			19:41																
CCB 480-206465/115			19:41																
ZZZZZZ			19:42																
ZZZZZZ			19:42																
ZZZZZZ			19:45																
CCV 480-206465/119			19:47																
CCB 480-206465/120			19:47																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Instrument ID: LACHAT3 Method: 353.2

Start Date: 10/01/2014 19:08 End Date: 10/01/2014 20:01

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N - N o 2															
CCV 480-205542/1	1		19:08	X															
CCB 480-205542/2	1		19:09	X															
MB 480-205542/3	1	T	19:10	X															
LCS 480-205542/4	1	T	19:11	X															
460-83615-1	1	T	19:12	X															
ZZZZZZ			19:14																
ZZZZZZ			19:15																
ZZZZZZ			19:16																
ZZZZZZ			19:17																
ZZZZZZ			19:18																
ZZZZZZ			19:19																
480-68310-C-7 MS	1	T	19:20	X															
CCV 480-205542/13	1		19:21	X															
CCB 480-205542/14	1		19:22	X															
ZZZZZZ			19:24																
ZZZZZZ			19:25																
ZZZZZZ			19:26																
ZZZZZZ			19:27																
ZZZZZZ			19:28																
ZZZZZZ			19:29																
ZZZZZZ			19:30																
480-68330-E-1 DU	1	T	19:31	X															
ZZZZZZ			19:33																
ZZZZZZ			19:34																
CCV 480-205542/25	1		19:35	X															
CCB 480-205542/26	1		19:36	X															
MB 480-205542/27	1	T	19:37	X															
LCS 480-205542/28	1	T	19:38	X															
ZZZZZZ			19:39																
ZZZZZZ			19:40																
ZZZZZZ			19:41																
ZZZZZZ			19:42																
ZZZZZZ			19:44																
ZZZZZZ			19:45																
ZZZZZZ			19:46																
ZZZZZZ			19:47																
CCV 480-205542/37	1		19:48	X															
CCB 480-205542/38	1		19:49	X															
ZZZZZZ			19:50																
ZZZZZZ			19:51																
ZZZZZZ			19:52																
480-68334-E-5 MSD	1	T	19:54	X															

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Instrument ID: LACHAT3 Method: 353.2

Start Date: 10/01/2014 19:08 End Date: 10/01/2014 20:01

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				N - N o 2																	
ZZZZZZ			19:55																		
ZZZZZZ			19:56																		
ZZZZZZ			19:57																		
ZZZZZZ			19:58																		
ZZZZZZ			19:59																		
CCV 480-205542/48	1		20:00	X																	
CCB 480-205542/49	1		20:01	X																	

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Instrument ID: LACHAT3 Method: SM 4500 NO3 F

Start Date: 10/01/2014 16:52 End Date: 10/01/2014 18:59

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N N O 3 2															
ZZZZZZ			16:52																
CCV 480-205526/2	1		16:53	X															
CCB 480-205526/3	1		16:54	X															
MB 480-205526/4	1	T	16:55	X															
LCS 480-205526/5	1	T	16:57	X															
460-83615-1	1	T	16:58	X															
ZZZZZZ			16:59																
ZZZZZZ			17:00																
ZZZZZZ			17:01																
ZZZZZZ			17:02																
ZZZZZZ			17:03																
ZZZZZZ			17:05																
480-68306-I-6 MS	1	T	17:06	X															
CCV 480-205526/14	1		17:07	X															
CCB 480-205526/15	1		17:08	X															
ZZZZZZ			17:09																
ZZZZZZ			17:10																
ZZZZZZ			17:11																
ZZZZZZ			17:13																
ZZZZZZ			17:14																
ZZZZZZ			17:15																
ZZZZZZ			17:16																
ZZZZZZ			17:17																
480-68310-C-3 DU	1	T	17:18	X															
ZZZZZZ			17:19																
CCV 480-205526/26	1		17:21	X															
CCB 480-205526/27	1		17:22	X															
ZZZZZZ			17:23																
ZZZZZZ			17:24																
ZZZZZZ			17:25																
ZZZZZZ			17:26																
ZZZZZZ			17:27																
ZZZZZZ			17:29																
ZZZZZZ			17:30																
ZZZZZZ			17:31																
ZZZZZZ			17:32																
ZZZZZZ			17:33																
CCV 480-205526/38			17:34																
CCB 480-205526/39			17:35																
ZZZZZZ			17:37																
ZZZZZZ			17:38																
ZZZZZZ			17:39																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Instrument ID: LACHAT3 Method: SM 4500 NO3 F

Start Date: 10/01/2014 16:52 End Date: 10/01/2014 18:59

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N N O 3 2															
ZZZZZZ			17:40																
ZZZZZZ			17:41																
ZZZZZZ			17:42																
ZZZZZZ			17:43																
ZZZZZZ			17:45																
ZZZZZZ			17:46																
ZZZZZZ			17:47																
CCV 480-205526/50	1		17:48	X															
CCB 480-205526/51	1		17:49	X															
MB 480-205526/52	1	T	17:50	X															
LCS 480-205526/53	1	T	17:51	X															
ZZZZZZ			17:53																
ZZZZZZ			17:54																
ZZZZZZ			17:55																
ZZZZZZ			17:56																
ZZZZZZ			17:57																
ZZZZZZ			17:58																
ZZZZZZ			17:59																
ZZZZZZ			18:01																
CCV 480-205526/62	1		18:02	X															
CCB 480-205526/63	1		18:03	X															
ZZZZZZ			18:04																
ZZZZZZ			18:05																
480-68334-E-5 MSD	1	T	18:06	X															
ZZZZZZ			18:07																
ZZZZZZ			18:09																
ZZZZZZ			18:10																
ZZZZZZ			18:11																
ZZZZZZ			18:12																
ZZZZZZ			18:13																
ZZZZZZ			18:14																
CCV 480-205526/74	1		18:15	X															
CCB 480-205526/75	1		18:17	X															
ZZZZZZ			18:18																
ZZZZZZ			18:19																
ZZZZZZ			18:20																
ZZZZZZ			18:21																
ZZZZZZ			18:22																
ZZZZZZ			18:23																
ZZZZZZ			18:24																
ZZZZZZ			18:26																
ZZZZZZ			18:27																

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Instrument ID: LACHAT3 Method: SM 4500 NO3 F

Start Date: 10/01/2014 16:52 End Date: 10/01/2014 18:59

Lab Sample ID	D / F	T y p e	Time	Analytes															
				N N O 3 2															
ZZZZZZ			18:28																
CCV 480-205526/86			18:29																
CCB 480-205526/87			18:30																
ZZZZZZ			18:31																
ZZZZZZ			18:32																
ZZZZZZ			18:34																
ZZZZZZ			18:35																
ZZZZZZ			18:36																
ZZZZZZ			18:37																
ZZZZZZ			18:38																
ZZZZZZ			18:39																
ZZZZZZ			18:40																
ZZZZZZ			18:42																
CCV 480-205526/98			18:43																
CCB 480-205526/99			18:44																
ZZZZZZ			18:45																
ZZZZZZ			18:46																
ZZZZZZ			18:47																
ZZZZZZ			18:48																
ZZZZZZ			18:50																
ZZZZZZ			18:51																
ZZZZZZ			18:52																
ZZZZZZ			18:53																
ZZZZZZ			18:54																
ZZZZZZ			18:55																
CCV 480-205526/110			18:56																
CCB 480-205526/111			18:58																
ZZZZZZ			18:59																

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Total Nitrogen

Start Date: 10/10/2014 12:53 End Date: 10/10/2014 12:53

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				N 2																	
460-83615-1	1	T	12:53	X																	

Prep Types

T = Total/NA

Batch	QAB	Sample	Matrix	Result	Time
		P-Xylene		FC 82.0°F	10:42
		P-Xylene		FC 82.0°F	10:45
253507	83731	1	H ₂ O	NFC 100, 120, 140, 160	10:53
	↓	1 dup		NFC 100, 120, 140, 160	11:00
	83615	2		NFC 100, 120, 140, 160	11:08
	83666	1		NFC 100, 120, 140, 160, 200	11:18
	↓	2		NFC 100, 120, 140, 160, 200	11:25
	83549	1		NFC 100, 120, 140, 160	11:33
	↓	2		NFC 100, 120, 140, 160	11:40
↓	83375	1	↓	NFC 100, 120, 140, 160	11:48

Room Temp: 23.0°C

Propane: ACE / M103

P-Xylene: Fisher / 131175

Continued on Page

Read and Understood By

Signed

Date

Signed

Date

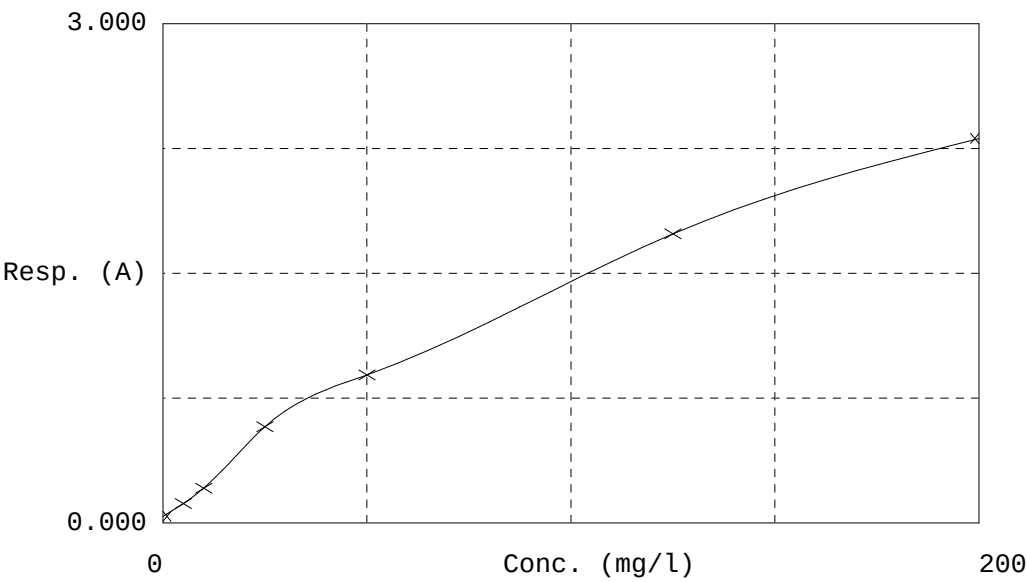
12.09.2014 11:02

Test Chloride

Accepted 12.09.2014 11:02

Coeff. of det. 1.000000

Errors QC rule violated



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CL-0	0.040	0.0000	0.0000	
2	CL-1	0.117	5.0000	5.0000	
3	CL-2	0.209	10.0000	10.0000	
4	CL-3	0.578	25.0000	25.0000	
5	CL-4	0.890	50.0000	50.0000	
6	CL-5	1.738	125.0000	125.0000	
7	CL-6	2.311	200.0000	200.0000	
8	ICB(control)	0.038	-0.1110	0.0000	Test limit low
9	ICV-CL(control)	0.850	45.3070	50.0000	

Laboratory
Konelab User

Date : 2014-10-08

Time : 15.01

Test
Unit

Chloride
mg/l

Sample ID:	Man.dilut	Dilut	Result	Resp.	Date and Time
ICV-CL			50.907	0.898	2014-10-08 11.03
ICB			1.477	0.062	2014-10-08 11.03
CCV-CL			51.446	0.903	2014-10-08 11.55
CCB			-0.256	0.036	2014-10-08 11.55
MB			-0.096	0.038	2014-10-08 11.55
LCSSRM			74.872	1.148	2014-10-08 11.55
460-83710-a-2	1+499.0		7601.503	0.333	2014-10-08 11.55
460-83707-a-1	1+499.0		9543.407	0.434	2014-10-08 11.55
460-83707-a-2	1+499.0		285.320	0.048	2014-10-08 11.55
460-83707-a-3	1+499.0		4079.542	0.173	2014-10-08 11.55
460-83700-g-1			7.138	0.154	2014-10-08 11.55
460-83700-g-2			5.439	0.125	2014-10-08 11.55
460-83700-g-3			4.355	0.107	2014-10-08 11.55
CCV-CL			52.264	0.910	2014-10-08 11.58
CCB			1.334	0.060	2014-10-08 11.58
460-83700-g-4			170.547	2.121	2014-10-08 11.58
460-83700-g-5			1.827	0.067	2014-10-08 11.58
CCV-CL			54.523	0.931	2014-10-08 11.59
CCB			1.586	0.064	2014-10-08 11.59
CCV-CL			51.720	0.905	2014-10-08 12.12
CCB			1.181	0.057	2014-10-08 12.12
460-83700-g-4MS	1+9.0		718.422	1.113	2014-10-08 12.12
460-83700-g-4MSD	1+9.0		723.619	1.119	2014-10-08 12.12
CCV-CL			54.217	0.928	2014-10-08 12.15
CCB			1.558	0.063	2014-10-08 12.15
CCV-CL			53.720	0.924	2014-10-08 12.22
CCB			1.463	0.062	2014-10-08 12.22
460-83615-e-2		1+4.0	518.718	1.496	2014-10-08 12.23
CCV-CL			53.514	0.922	2014-10-08 12.24
CCB			1.575	0.063	2014-10-08 12.24
CCV-CL			50.236	0.892	2014-10-08 12.34
CCB			-0.290	0.035	2014-10-08 12.34
MB			-0.248	0.036	2014-10-08 12.34
LCSSRM			73.338	1.130	2014-10-08 12.34
460-83700-g-6			79.214	1.199	2014-10-08 12.34
460-83700-g-7			9.153	0.192	2014-10-08 12.34
460-83700-g-8			38.243	0.783	2014-10-08 12.34
460-83700-g-9			67.168	1.061	2014-10-08 12.34
460-83700-g-10			60.502	0.990	2014-10-08 12.34
460-83700-g-11			24.204	0.561	2014-10-08 12.34
460-83700-g-12			48.838	0.880	2014-10-08 12.34
460-83700-g-13			90.258	1.332	2014-10-08 12.34
CCV-CL			51.939	0.907	2014-10-08 12.37
CCB			1.026	0.055	2014-10-08 12.37
460-83700-g-14			1.335	0.060	2014-10-08 12.37
460-83876-e-1			24.776	0.574	2014-10-08 12.37
CCV-CL			53.222	0.919	2014-10-08 12.38
CCB			1.322	0.060	2014-10-08 12.38
CCV-CL			52.425	0.912	2014-10-08 12.57
CCB			1.046	0.055	2014-10-08 12.57
CCV-CL			52.241	0.910	2014-10-08 12.58
CCB			1.399	0.061	2014-10-08 12.58
CCV-CL			50.653	0.896	2014-10-08 13.16
CCB			-0.129	0.038	2014-10-08 13.16
460-83700-g-6MS	1+9.0		610.705	0.996	2014-10-08 13.16
460-83700-g-6MSD	1+9.0		621.584	1.097	2014-10-08 13.16

Laboratory
Konelab User

Date : 2014-10-08

Time : 15.01

Test
Unit

Chloride
mg/l

Sample ID: Man.dilut Dilut Result Resp. Date and Time

Sample ID	Man.dilut	Dilut	Result	Resp.	Date and Time
MB			0.378	0.045	2014-10-08 13.16
LCSSRM			74.415	1.142	2014-10-08 13.16
460-83876-e-2			17.778	0.400	2014-10-08 13.16
460-83876-g-3			79.133	1.198	2014-10-08 13.16
460-83876-g-4			71.079	1.104	2014-10-08 13.16
460-83876-e-5			42.170	0.822	2014-10-08 13.16
460-83876-e-6			51.455	0.903	2014-10-08 13.16
460-83876-g-7			33.514	0.726	2014-10-08 13.16
CCV-CL			52.404	0.912	2014-10-08 13.19
CCB			0.864	0.053	2014-10-08 13.19
460-83876-e-8			51.153	0.900	2014-10-08 13.19
460-83876-g-9			75.572	1.156	2014-10-08 13.19
460-83876-g-10			85.941	1.279	2014-10-08 13.19
460-83876-g-11			1.651	0.065	2014-10-08 13.19
CCV-CL			51.292	0.902	2014-10-08 13.20
CCB			0.574	0.048	2014-10-08 13.20
CCV-CL			51.094	0.900	2014-10-08 13.32
CCB			0.988	0.055	2014-10-08 13.32
460-83876-g-3MS	1+9.0		619.844	1.005	2014-10-08 13.32
460-83876-g-3MSD	1+9.0		621.216	1.007	2014-10-08 13.32
MB			-0.124	0.038	2014-10-08 13.36
LCSSRM			74.841	1.147	2014-10-08 13.36
460-83770-d-2			182.043	2.198	2014-10-08 13.36
460-83770-d-3			6.824	0.148	2014-10-08 13.36
460-83770-d-4			10.508	0.220	2014-10-08 13.36
460-83770-d-5			18.968	0.431	2014-10-08 13.36
460-83770-d-6			54.668	0.933	2014-10-08 13.36
460-83770-d-7			55.393	0.940	2014-10-08 13.36
CCV-CL			51.473	0.903	2014-10-08 13.36
CCB			-0.275	0.036	2014-10-08 13.36
460-83876-g-12			54.617	0.932	2014-10-08 13.36
460-83876-g-13			80.700	1.216	2014-10-08 13.36
460-83876-e-14			110.219	1.573	2014-10-08 13.52
CCV-CL			53.117	0.918	2014-10-08 13.52
CCB			1.084	0.056	2014-10-08 13.52
CCV-CL			50.889	0.898	2014-10-08 14.11
CCB			-0.216	0.036	2014-10-08 14.11
MB			-0.073	0.039	2014-10-08 14.11
LCSSRM			74.051	1.138	2014-10-08 14.11
460-83876-g-13MS	1+9.0		615.600	1.001	2014-10-08 14.11
460-83876-g13MSD	1+9.0		619.623	1.005	2014-10-08 14.11
460-83876-e-16			146.507	1.939	2014-10-08 14.11
460-83876-g-17			79.096	1.197	2014-10-08 14.11
460-83876-g-18			1.018	0.055	2014-10-08 14.11
460-83876-g-20			149.572	1.965	2014-10-08 14.11
460-83876-g-22			127.343	1.762	2014-10-08 14.11
CCV-CL			52.250	0.910	2014-10-08 14.17
CCB			0.600	0.049	2014-10-08 14.17
460-83876-g-23			129.262	1.782	2014-10-08 14.17
460-83876-e-15		1+3.0	242.607	0.992	2014-10-08 14.18
CCV-CL			53.609	0.923	2014-10-08 14.29
CCB			1.594	0.064	2014-10-08 14.29
CCV-CL			50.975	0.899	2014-10-08 14.53
CCB			0.919	0.054	2014-10-08 14.53
460-83827-i-2			122.614	1.713	2014-10-08 14.53
460-83857-e-1			120.700	1.750	2014-10-08 14.53

Laboratory
Konelab User

Date : 2014-10-08

Time : 15.01

Test
UnitChloride
mg/l

Sample ID:	Man.dilut	Dilut	Result	Resp.	Date and Time
460-83876-e-16MS	1+9.0		679.141	1.069	2014-10-08 14.53
460-83876-e16MSD	1+9.0		677.557	1.067	2014-10-08 14.53
460-83876-j-19		1+1.0	234.395	1.653	2014-10-08 14.57
460-83827-i-1		1+1.0	250.162	1.739	2014-10-08 14.57
CCV-CL			52.251	0.910	2014-10-08 14.59
CCB			1.402	0.061	2014-10-08 14.59

Calibration

Calib 252822-0 / Cr (VI)

Curve Type: Linear
Weighting: None
Origin: None
Dependency: Concentration
Calib Mode: ESTD
RF Rounding: 0

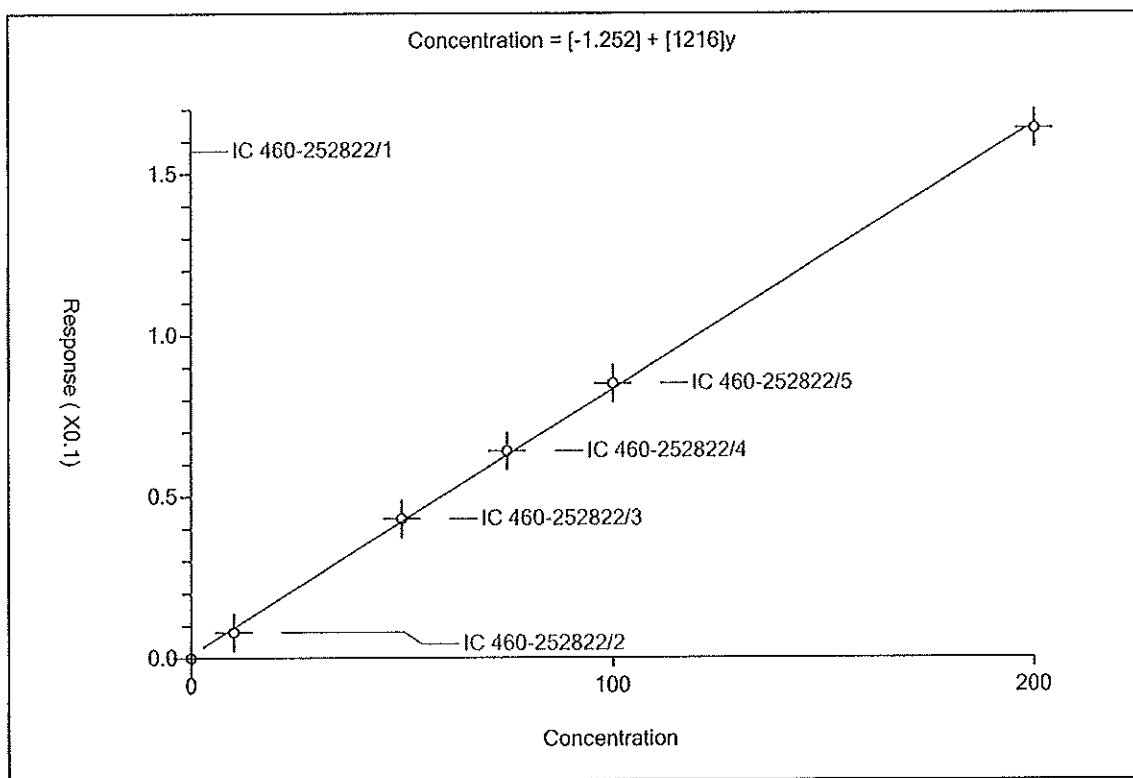
Curve Coefficients

Intercept: -1.252
Slope: 1216

Error Coefficients

Standard Error: 1.95
Relative Standard Error: NC
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999 (0.999)

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-252822/1	0.0	0.0			NaN	Y
2	IC 460-252822/2	10.0	0.008			0.0008	Y
3	IC 460-252822/3	50.0	0.043			0.00086	Y
4	IC 460-252822/4	75.0	0.064			0.000853	Y
5	IC 460-252822/5	100.0	0.085			0.00085	Y
6	IC 460-252822/6	200.0	0.164			0.00082	Y



PROJECT Cr⁺⁶ USGS

Continued From Page _____

Job #: 83615
Batch #: 252822

Sample	bil.	Abs.	BG - pH	T pH - T Read
0		0.000		21:37PM
10		0.008		
50		0.043		
75		0.064		
100		0.085		
200		0.164		
ICV		0.064		
ICB		0.000		
ITB		0.000		
LCS		0.062		
83615-2		0.006	0.001	
83615-2B1		0.007	0.001	
83615-2B3		0.032	0.001	
CCV		0.064	—	
CCB		0.000	—	21:47PM

Continued on Page _____

Read and Understood By _____

P.P.

Signed

8/30/2014

Page 1035 of 1090

Signed _____

Date

10/30/2014

Batch	Sample ID	W (ml)	pb res	DO	diff	result	50K
460-83600B1	25	100x	10	841	326	0.70	15900
836 AM	26	15	15	843	325	13440	7140
10ml sample → 100 ml w/ 10x	27	25	25	840	1	100 new	100
235 998 USB	1	1	10ml w/ 10x	841	328	0.03	> 0.015
USB	2	2		845	323	0	
beed	3	3	4	842	191		
	4	4	5	840	179	0.61	
	5	5	6	844	773	0.59	
	6	6	7	840	750	0.64	> 0.61
beed	7	7	10	839	107		8790
LOS	8	8	8	837	520	0.61	960
LOS	9	9	8	837	522	998	7440
LOS	10	10	8	835	537	889	1040
460 83615 F1	11	11	80	845	768		
246 PM Groundwater	12	12	100	831	779	0.5	
248 AM 83605 F1	13	13	80	846	774		
dep	14	14	100	849	171	0.5	
USB	28	28		839	838	0.01	
USB	29	29		837	837	0.00	> 0.01
460 83595 C1	30	30	1	839	740	0.70	
IFF	31	31	3	837	618		
R4D	32	32	5	830	420		
	33	33	10	831	453	87.4	> 89.7
235 PM	34	34	25	846	1	91.8	
	35	35	50	774	1		
	36	36	100	638	1		

Continued on Page

Signed *Patricia Stuch*

10/1/14

Read and Understood By

FSD 10/6/14
@ 104 PM DS

Signed

Date 10/30/2014

Solutions Used: Konelab AQUA20 & 20XT

<u>TKN Reagent</u>	<u>I.D</u>	<u>Expires</u>
Sodium Salicylate	2315946	22 Oct. 2014
Sodium Hypochlorite	2346349	08 Oct. 2014
Buffer	2346350	08 Oct. 2014

Standards:

<u>Name</u>	<u>ID</u>	<u>Expiration</u>
ERA (P204-525) Actual: 5.78 Range: 4.66-6.90 PT pals: 3.90-7.62	2260953	11/21/2014
Ammonia a N 1000ppm	2163120	06/30/2016
Nitrogen 1000mg/L Std (ICV)	2285261	12/31/2015
Total Kjeldahl Nitrogen 1000ppm (LCS) - 2.5ppm MS - (1.0ppm)	1445051	02/28/2015
Curve (5PPM)	2331677	10/02/2014
CCV (2.5ppm)	2346351	10/08/2014

TKN curve Kone 1: 10-01-2014

Batch # 205553

CURVE= 1000ppm: 2163120

5ppm = 2331677

ICV (2.5ppm) = 2334056

TestAmerica-Buffalo
Konelab 1

10/7/2014 20:46

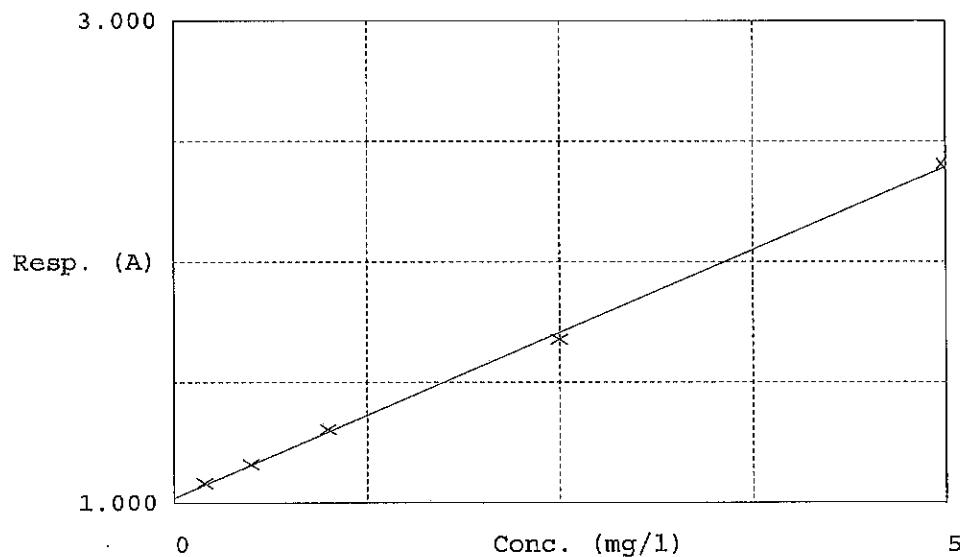
Test TKN

Accepted 10/1/2014 12:12

Factor 3.645
Bias 1.021

Coeff. of det. 0.999062

Errors Meas. error



	Calibrator	Response	Calc. con.	Conc.	Errors
1	TKN-5.0	1.082	0.2229	0.2000	E.e. out of limit
2	TKN-5.0	1.159	0.5040	0.5000	E.e. out of limit
3	TKN-5.0	1.304	1.0336	1.0000	E.e. out of limit
4	TKN-5.0	1.678	2.3950	2.5000	E.e. out of limit
5	TKN-5.0	2.405	5.0444	5.0000	E.e. out of limit

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Check water blank

AquaKem 7.0

Page: 1

206465

TestAmerica-Buffalo
Konelab 1

10/7/2014 20:46

Performed 10/7/2014 14:53
MAX acceptable SD 2.0 mA

Wavelength	Abs (mA)	SD (mA)	SignGain	RefGain	Voltage (V)
405 nm	-10.3	0.8	1	1	6.2
420 nm	-250.5	0.9	2	1	5.9
460 nm	-156.0	0.6	0	0	6.2
480 nm	-194.9	0.7	0	0	5.7
510 nm	-215.9	0.6	0	0	5.9
520 nm	-218.3	0.6	0	0	5.4
540 nm	-229.9	0.5	0	0	5.6
575 nm	-239.5	0.8	0	0	5.6
600 nm	-245.9	0.7	0	0	5.4
630 nm	-249.5	0.5	0	0	5.0
660 nm	-252.4	0.5	0	0	5.0
700 nm	-255.7	0.5	0	0	4.6
880 nm	-239.9	0.5	0	0	4.3

TestAmerica-Buffalo
Konelab 1

Date : 10/7/2014

Time : 20:46

Test Unit	TKN mg/l				
Sample ID:	Result	Resp.	Blank	Dilut	Date and Time
CCV TKN	2.565	1.724	0.032		10/7/2014 15:33
CCB TKN	0.184	1.071	0.032		10/7/2014 15:33
CCV TKN	2.578	1.728	0.030		10/7/2014 16:02
CCB TKN	0.198	1.075	0.031		10/7/2014 16:02
CCV TKN	2.584	1.730	0.029		10/7/2014 16:30
CCB TKN	0.197	1.075	0.030		10/7/2014 16:30
mb 480-206257/1-	0.197	1.075	0.028		10/7/2014 16:30
lcs 480-206257/2	2.570	1.726	0.032		10/7/2014 16:30
ERA CT	1.305	1.379	0.032		10/7/2014 16:30
lcs 480-206259/2	2.453	1.694	0.031		10/7/2014 16:30
CCV TKN	2.607	1.736	0.030		10/7/2014 16:32
CCB TKN	0.143	1.060	0.030		10/7/2014 16:32
CCV TKN	2.623	1.740	0.030		10/7/2014 17:07
CCB TKN	0.116	1.053	0.025		10/7/2014 17:07
mb 480-206288/1-	0.173	1.068	0.026		10/7/2014 17:07
lcs 480-206288/2	2.568	1.725	0.027		10/7/2014 17:07
ERA LAW	1.080	1.317	0.028		10/7/2014 17:07
lcs 480-206289/2	2.664	1.752	0.028		10/7/2014 17:07
CCV TKN	2.584	1.730	0.029		10/7/2014 17:10
CCB TKN	0.124	1.055	0.025		10/7/2014 17:10
CCV TKN	2.591	1.732	0.029		10/7/2014 17:36
CCB TKN	0.143	1.060	0.025		10/7/2014 17:36
mb 480-206259/1-	0.191	1.073	0.026		10/7/2014 17:36
mb 480-206289/1-	0.195	1.074	0.026		10/7/2014 17:36
480-67213-b-1-d	2.423	1.685	0.031		10/7/2014 17:36
480-67213-b-1-e	2.398	1.679	0.029		10/7/2014 17:36
480-67213-b-3-d	1.266	1.368	0.031		10/7/2014 17:36
480-67213-b-3-e	1.159	1.339	0.024		10/7/2014 17:36
480-67861-d-1-b	0.508	1.160	0.032		10/7/2014 17:36
480-67861-d-2-a	0.723	1.219	0.038		10/7/2014 17:36
480-67861-d-6-a	0.889	1.265	0.038		10/7/2014 17:36
480-68271-d-1-b	0.085	1.044	0.034		10/7/2014 17:36
CCV TKN	2.525	1.714	0.028		10/7/2014 17:45
CCB TKN	0.124	1.055	0.025		10/7/2014 17:45
480-67995-a-1-b	2.322	1.658	0.030		10/7/2014 17:45
480-68120-d-3-a	-0.732	0.820	0.019		10/7/2014 17:45
480-68120-d-4-a	0.507	1.160	0.027		10/7/2014 17:45
480-68119-c-1-b	1.934	1.551	0.028		10/7/2014 17:45
480-68225-d-1-a	3.918	2.096	0.032		10/7/2014 17:45
480-68250-d-1-a	0.522	1.164	0.031		10/7/2014 17:45
480-68250-d-2-a	0.297	1.102	0.029		10/7/2014 17:45
480-68250-d-3-a	0.482	1.153	0.030		10/7/2014 17:45
480-68250-d-4-a	0.392	1.128	0.031		10/7/2014 17:45
480-68250-d-5-a	1.235	1.360	0.030		10/7/2014 17:45
CCV TKN	2.437	1.689	0.028		10/7/2014 17:54
CCB TKN	0.135	1.058	0.025		10/7/2014 17:54
480-68250-d-5-b	2.308	1.654	0.031		10/7/2014 17:54
480-68250-d-6-a	0.383	1.126	0.030		10/7/2014 17:54
480-68250-d-6-b	0.323	1.109	0.028		10/7/2014 17:54
480-68250-d-6-c	1.264	1.367	0.030		10/7/2014 17:54
480-68250-d-7-a	0.614	1.189	0.032		10/7/2014 17:54
480-68250-d-8-a	0.563	1.175	0.030		10/7/2014 17:55
480-68250-d-9-a	4.514	2.259	0.030		10/7/2014 17:55

206465

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Result Report

AquaKem

7.0

Page: 2

TestAmerica-Buffalo

Konelab 1

Date : 10/7/2014

Time : 20:46

Test Unit	TKN mg/l				
Sample ID:	Result	Resp.	Blank	Dilut	Date and Time
480-68248-d-1-a	0.970	1.287	0.030		10/7/2014 17:55
480-68248-d-2-a	0.511	1.161	0.029		10/7/2014 17:55
480-68248-d-3-a	0.393	1.129	0.029		10/7/2014 17:55
CCV TKN	2.727	1.769	0.028		10/7/2014 17:59
CCB TKN	0.179	1.070	0.025		10/7/2014 17:59
CCV TKN	2.558	1.722	0.028		10/7/2014 18:22
CCB TKN	0.005	1.022	0.025		10/7/2014 18:22
480-68278-u-1-b	0.592	1.183	0.028		10/7/2014 18:22
480-68377-d-2-a	1.100	1.322	0.032		10/7/2014 18:22
480-68306-d-1-a	0.393	1.129	0.029		10/7/2014 18:22
480-68306-d-2-a	1.135	1.332	0.029		10/7/2014 18:22
480-68306-d-3-a	1.360	1.394	0.040		10/7/2014 18:22
480-68306-d-4-a	1.715	1.491	0.032		10/7/2014 18:23
480-68306-d-4-b	2.333	1.661	0.029		10/7/2014 18:23
480-68306-d-5-a	0.698	1.212	0.038		10/7/2014 18:23
480-68380-c-1-a	0.150	1.062	0.027		10/7/2014 18:23
480-68380-c-1-b	0.132	1.057	0.031		10/7/2014 18:23
CCV TKN	2.543	1.718	0.028		10/7/2014 18:31
CCB TKN	0.122	1.054	0.025		10/7/2014 18:32
480-68380-c-2-a	0.227	1.083	0.031		10/7/2014 18:32
480-68380-c-2-b	1.111	1.326	0.030		10/7/2014 18:32
480-68380-c-3-a	0.162	1.065	0.027		10/7/2014 18:32
480-68380-c-4-a	0.341	1.114	0.030		10/7/2014 18:32
480-68380-c-5-a	0.115	1.052	0.029		10/7/2014 18:32
480-68380-c-6-a	0.246	1.088	0.031		10/7/2014 18:32
480-67710-d-3-f	3.194	1.897	0.027		10/7/2014 18:32
480-67728-c-3-e	0.391	1.128	0.029		10/7/2014 18:32
480-68249-d-3-c	1.444	1.417	0.033		10/7/2014 18:32
480-67978-a-2-b	4.700	2.310	0.028		10/7/2014 18:32
CCV TKN	2.640	1.745	0.028		10/7/2014 18:37
CCB TKN	0.139	1.059	0.025		10/7/2014 18:37
480-67980-b-1-b	1.193	1.348	0.030		10/7/2014 18:37
CCV TKN	2.568	1.725	0.028		10/7/2014 18:39
CCB TKN	0.078	1.042	0.025		10/7/2014 18:39
CCV TKN	2.428	1.687	0.028		10/7/2014 19:03
CCB TKN	0.062	1.038	0.025		10/7/2014 19:03
480-67873-d-3-e	0.183	1.071	0.030		10/7/2014 19:03
480-68377-d-1-a	0.720	1.218	0.029		10/7/2014 19:03
480-68306-d-6-a	0.151	1.062	0.028		10/7/2014 19:03
480-68291-a-2-a	0.271	1.095	0.028		10/7/2014 19:03
480-68291-a-2-b	0.807	1.242	0.027		10/7/2014 19:03
460-83615-c-1-a	1.033	1.304	0.032		10/7/2014 19:03
460-83615-c-1-b	1.022	1.301	0.032		10/7/2014 19:03
480-68448-d-1-a	0.954	1.282	0.028		10/7/2014 19:03
480-68448-d-1-b	1.697	1.486	0.029		10/7/2014 19:03
480-68448-d-2-a	2.099	1.597	0.028		10/7/2014 19:03
CCV TKN	2.500	1.707	0.027		10/7/2014 19:12
CCB TKN	0.057	1.036	0.025		10/7/2014 19:12
480-68448-d-3-a	0.387	1.127	0.029		10/7/2014 19:12
480-68448-d-4-a	0.833	1.249	0.027		10/7/2014 19:12
480-68441-b-2-a	1.146	1.335	0.029		10/7/2014 19:12
480-68441-a-3-a	0.720	1.218	0.027		10/7/2014 19:12
480-68434-f-1-a	3.416	1.958	0.027		10/7/2014 19:12

206465

TestAmerica-Buffalo
Konelab 1

Date : 10/7/2014
Time : 20:46

```

Test
Unit
TKN
mg/l

Sample ID:      Result      Resp.      Blank      Dilut      Date and Time
-----
480-68434-f-2-a  2.635      1.743      0.041      10/7/2014 19:12
480-68438-f-1-a  2.872      1.809      0.031      10/7/2014 19:12
480-68415-c-1-a  0.412      1.134      0.033      10/7/2014 19:12
480-68415-c-2-b  0.919      1.273      0.037      10/7/2014 19:12
480-68415-c-3-a  1.318      1.382      0.033      10/7/2014 19:12
CCV TKN         2.639      1.745      0.028      10/7/2014 19:17
CCB TKN         0.165      1.066      0.025      10/7/2014 19:17
CCV TKN         2.717      1.766      0.028      10/7/2014 19:41
CCB TKN         0.141      1.059      0.025      10/7/2014 19:42
480-68415-c-4-a  0.778      1.234      0.034      10/7/2014 19:42
480-68415-c-4-b  1.471      1.424      0.034      10/7/2014 19:42
480-68090-a-2-b  5.204      1.735      0.028  1+1.0      10/7/2014 19:45
CCV TKN         2.690      1.759      0.030      10/7/2014 19:47
CCB TKN         0.162      1.065      0.025      10/7/2014 19:47

```

Historical Data Summary Report

For Batch 206465

Data

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Points	Dilution	Result	Fail 3-Sigma Limits	Fail Client Limits
480-67213-B-3-D	OUTFALL #001	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L as N4	1.0	1.0	1.3	☐ 0 - 3.177	☐ 0 - 2.52
480-67710-D-3-F	C-3	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L as N3	1.0	1.0	798	☒ 0 - 92.134	☒ 15.36 - 23.04 <i>confirmed</i>
480-67728-C-3-E	MW-9R	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L as N8	1.0	1.0	0.39	☐ 0.266 - 0.659	☐ 0.272 - 0.648
480-67861-D-1-B	MW-24AR	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L as N8	1.0	1.0	0.51	☒ 0 - 0.378	☒ 0 - 0.276 <i>Re</i>
480-67861-D-2-A	MW-24BR	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L as N8	1.0	1.0	0.72	☒ 0 - 0.528	☒ 0 - 0.42 <i>Re</i>
480-67861-D-6-A	MWR-4CR	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L as N8	1.0	1.0	0.89	☐ 0 - 0.927	☒ 0 - 0.888 <i>w/ 20% history</i>
480-67873-D-3-E	PPRS	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	1.0	0.18	☐ 0.178 - 0.217	☐ 0.144 - 0.24
480-67978-A-2-B	INFC	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	1.0	4.7	☐ 1.457 - 15.968	☒ 5.76 - 18 <i>Re</i>
480-67980-B-1-B	Influent Old landfill	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	1.2	☒ 0.48 - 0.48	☒ 0.384 - 0.576 <i>confirmed</i>
480-67995-A-1-B	Eff #1	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	1.0	2.3	☒ 0 - 0	☒ 0 - 0 <i>Re</i>
480-68090-A-2-B	INFC	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	2.0	5.2	☐ 1.457 - 15.968	☒ 5.76 - 18 <i>confirmed</i>
480-68119-C-1-B	LST01	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	1.0	967	☐ 90.459 - 1653.791	☐ 432 - 1776
480-68248-D-1-A	SW-1	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.97	☒ 0.29 - 0.29	☒ 0.232 - 0.348 <i>Re</i>
480-68248-D-2-A	SW-2	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.51	☒ 0 - 0	☒ 0 - 0 <i>Re</i>
480-68248-D-3-A	SW-3	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.39	☒ 0 - 0	☒ 0 - 0 <i>Re</i>
480-68249-D-3-C	LD-1	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	1.4	☒ 3.8 - 3.8	☒ 3.04 - 4.56 <i>Confirmed</i>
480-68250-D-1-A	MW-11A	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.52	☒ 0.56 - 0.56	☐ 0.448 - 0.672
480-68250-D-2-A	MW-12AA	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.30	☒ 0 - 0	☒ 0 - 0 <i>Re</i>
480-68250-D-3-A	MW-14A	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.48	☒ 0 - 0	☒ 0 - 0 <i>Re</i>
480-68250-D-4-A	MW-15A	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.39	☒ 0 - 0	☒ 0 - 0 <i>Re</i>
480-68250-D-5-A	MW-11B	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	1.2	☒ 2.8 - 2.8	☒ 2.24 - 3.36 <i>Re</i>
480-68250-D-6-A	MW-12BBB	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.38	☒ 0 - 0	☒ 0 - 0 <i>Re</i>
480-68250-D-7-A	MW-14B	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.61	☒ 0.31 - 0.31	☒ 0.248 - 0.372 <i>Re</i>
480-68250-D-8-A	MW-15B	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.56	☒ 0 - 0	☒ 0 - 0 <i>Re</i>
480-68250-D-9-A	MW-17B	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	2	1.0	4.5	☐ 0.7 - 26.5	☒ 10.88 - 16.32 <i>Re</i>
480-68306-D-1-A	MW-13A	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.39	☒ 0 - 0	☒ 0 - 0 <i>Re</i>
480-68306-D-2-A	MW-16A	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	1.1	☒ 2.7 - 2.7	☒ 2.16 - 3.24 <i>Re</i>
480-68306-D-3-A	MW-13B	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	1.4	☒ 1.1 - 1.1	☒ 0.88 - 1.32 <i>Re</i>
480-68306-D-4-A	MW-17A	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	2	1.0	1.7	☒ 0 - 0.87	☒ 0.348 - 0.522 <i>Re</i>
480-68306-D-5-A	MW-18A	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	2	1.0	0.70	☒ 0 - 0.68	☒ 0.136 - 0.204 <i>Re</i>
480-68306-D-6-A	MW-18B	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	2	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68377-D-1-A	SP-A	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	1.0	0.72	☐ 0 - 4.173	☐ 0 - 4.44
480-68377-D-2-A	SP-B	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	1.0	1.1	☐ 0 - 3.213	☐ 0 - 2.76
480-68380-C-1-A	TRIP BLANK	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68380-C-2-A	DUPLICATE @ MW351.2	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	1	1.0	0.23	☒ 0 - 0	☒ 0 - 0 <i>OK DUP</i>
480-68380-C-3-A	MW-11	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0.268	☐ 0 - 0.288
480-68380-C-4-A	MW-3	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	1.0	0.34	☐ 0 - 0.434	☒ 0 - 0.336 <i>OK w/ 20% history</i>
480-68380-C-5-A	MW-5	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0	☐ 0 - 0

Historical Data Summary Report

For Batch 206465

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data			Result	Fail 3-Sigma Limits	Fail Client Limits
						Points	Dilution				
480-68380-C-6-A	MW-9	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	8	1.0		0.25	☒ 0 - 0	☒ 0 - 0
480-68434-F-1-A	CDD leachate	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	3	1.0		34.2	☒ 34.23 - 51.636	☒ 34.347 - 51.52
480-68434-F-2-A	OMU leachate	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	3	1.0		2.6	☐ 0 - 3.225	☒ 0.603 - 0.904
480-68438-F-1-A	Manhole (9)	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L	3	1.0		28.7	☐ 17.361 - 42.705	☐ 24.027 - 36.04
480-68448-D-1-A	SW CARP POND	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L as N8	8	1.0		0.95	☐ 0 - 12.07	☐ 0.584 - 12.96
480-68448-D-2-A	SW CARP POND	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L as N8	8	1.0		4.2	☐ 0 - 21.139	☐ 0.592 - 20.76
480-68448-D-3-A	SW-3	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L as N8	8	1.0		0.39	☐ 0 - 2.578	☐ 0 - 2.16
480-68448-D-4-A	Duplicate 3	351.2	Total Kjeldahl Nitrogen	Total/NA	mg/L as N3	3	1.0		0.83	☐ 0.418 - 1.522	☐ 0.776 - 1.164

TestAmerica Buffalo

TOTAL KJELDAHL NITROGEN DIGESTION LOG – Method 351.2

Digest Date	Analyst Digest.	Job #	Sample ID	Flask #	Dilution	Comments
10-6-14	CT	STD	5.0	1	1x	+ 0.125 ml NH3 STD
		MB	BLANK	2		
		LCS	2.5	3		+ 0.0625 ml TKN STD
		ERA	P196-525	4		
		67213 67213	or 10/4/14 B-1	5		
		↓	B-1 DU	6		
			B-3	7		
		↓	B-3 ms	8		+ 0.025 ml TKN STD
		67861	D-1	9		
		↓	D-2	10		
		↓	D-6	11		
		68271	D-1	12		
		67995	A-1	13		
		68120	D-3	14		
		↓	D-4	15	↓	
		68119	C-1	16	500x	0.050 ml → 25 ml
		68225	D-1	17	1x	
		68250	D-1	18		
			D-2	19		
			D-3	20		
			D-4	21		
			D-5	22		
			D-5 ms	23	↓	+ 0.025 ml TKN STD

6197722 ml1832B

EPPENDORFS: 393977A

Acid Digestion Solution: 2313442

Standards / QC: 1445051

5pt: 2343400

Batch #: 206257

16:35

TestAmerica Buffalo

TOTAL KJELDAHL NITROGEN DIGESTION LOG – Method 351.2

Digest. Date	Analyst Digest.	Job #	Sample ID	Flask #	Dilution	Comments
10-6-14	CT	MB	BLANK	24	1X	
		LCS	2.5	25		+ 0.0625 ml TKN STD
		68250	D-6	26		
			D-6 Du	27		
			D-6 ms	28		+ 0.025 ml TKN STD
			D-7	29		
			D-8	30		
			D-9	31		
		68248	D-1	32		
			D-2	33		
			D-3	34		
		68278	D-1	35	SDX	0.05 ml → 25 ml
		68377	D-2	36	1X	
		68306	D-1	37		
			D-2	38		
			D-3	39		
			D-4	40		
			D-4 ms	41		+ 0.025 ml TKN STD
			D-5	42		
			SPR	43		
			DIL	44		
			DILUENT	45		
			DILUENT	46		

EPENDORFS:

Acid Digestion Solution:

Standards / QC:

5pt:

Batch #: 206259

TestAmerica Buffalo

TOTAL KJELDAHL NITROGEN DIGESTION LOG – Method 351.2

Digest. Date	Analyst Digest.	Job #	Sample ID	Flask #	Dilution	Comments
10/07/2014	LAW	STD	5.0	1		+ 0.125 ml NH3 STD
		MB	BLANK	2		
		LCS	2.5	3		+ 0.0625 ml TKN STD
		ERA	P196-525	4		
		68380	C1	5	1X	
			C1-DU	6	1X	
			C2	7	1X	
			C2-ms	8	1X	0.025ml TKN STD
			C3	9	1X	
			C4	10	1X	
			C5	11	1X	
			C6	12	1X	
		67710	D3	13	250X	0.100ml TO 25ml
		67728	C3	14	1X	
		68249	D3	15	1X	
		67978	A2	16	1X	
		67980	B1	17	1X	
		68090	A2	18	1X	
		67873	D3	19	1X	
		68377	D1	20	1X	
		68306	D6	21	1X	
		68291	A2	22	1X	
			A2-ms	23	1X	0.025ml TKN STD

EPPENDORFS:

Acid Digestion Solution: 2313442

Standards / QC: 1445051, 2163120 & 2260953

5pt: 2343668

Batch #: 206288

TestAmerica Buffalo
TOTAL KJELDAHL NITROGEN DIGESTION LOG – Method 351.2

Digest. Date	Analyst Digest.	Job #	Sample ID	Flask #	Dilution	Comments
10/07/14	LAW	MB	BLANK	24		
		LCS	2.5	25		+ 0.0625 ml TKN STD
		460-83515	C1	26	1X	
		L	C1-DU	27	1X	
		68448	D1	28	1X	
		L	D1-MS	29	1X	0.025ml TKN STD
			D2	30	2X	12.5ml TO 25ml
			D3	31	1X	
			D4	32	1X	
		68441	B2	33	1X	
		L	A3	34	1X	
		68430-434	F1	35	10X	2.5ml TO 25ml
		L 10/17	F2	36	1X	
		68430	F1	37	10X	2.5ml TO 25ml
		68415	C1	38	1X	
			C2	39	1X	
			C3	40	1X	
			C4	41	1X	
			C4-MS	42	1X	0.025ml TKN STD
			DILUENT	43		
			DILUENT	44		
			DILUENT	45		
		STD	5.0	46		+ 0.125 ml NH3 STD

EPPENDORFS: 393977A, m1832B, J13524C & L20860C
Acid Digestion Solution: 2313442
Standards / QC: 1445051, 2163120 & 2260953
5pt: 2343668

Batch #: 206289

Nitrate, Nitrite, Nitrate/Nitrite (Method 353.2)

<u>Solutions #</u>		
Nitrate, Nitrate/Nitrite 1000mg/L STD (CAL)	2134139	Exp. 03/01/2016
Nitrate 1000mg/L STD (CCV/LCS/ICV)	1866643	Exp. 04/30/2015
Nitrite 1000mg/L STD (CAL)	1835236	Exp. 09/24/2015
Nitrite 1000mg/L STD (CCV/LCS/ICV)	1979626	Exp. 01/31/2016
Nitrate, Nitrate/Nitrite Int STD	2329080	Exp. 10/03/2014
Nitrite Int STD	2329081	Exp. 10/03/2014
Nitrate 1.5ppm CCV/ICV	2334171	Exp: 10/02/2014
Nitrite 1.5ppm CCV/ICV	2334172	Exp: 10/02/2014
Ammonium Chloride Buffer	2331746	Exp. 10/30/2014
Color Reagent	2307131	Exp. 10/17/2014
1:4 Ammonia Hydroxide	2329079	Exp. 03/29/2015

Quality Control Limits

LCS/CCV = 1.5mg/L

Control Limits = 90-110%

(1.35 mg/L –.65 mg/L)

MB/CCB = 0.0mg/L

Control Limits <0.05mg/ >-0.05mg/L

MS/SD = 1.0mg/L

Control Limits = 90-110%

RPD Control Limits <20%

Nitrate/Nitrite Calibration curve:

3.0ppm – 150ul of 1000ppm Nitrate/Nitrite up to 50ml with Di water

2.0ppm – 100ul of 1000ppm Nitrate/Nitrite up to 50ml with DI water

1.0 ppm – 50ul of 1000ppm Nitrate/Nitrite up to 50ml with DI water

.5ppm –5ml of 1.0ppm up to 10ml with DI water

.2 ppm – 5ml of 2.0ppm up too 50ml with DI water

.05 ppm – 5ml of .2ppm up 20ml With DI water

ICV- 150ul of second source 1000ppm Nitrate/Nitrite standard up too 100 ml with DI

CCVL -- .05 ppm – 5ml of .2ppm up 20ml With DI water

Nitrite Calibration curve:

3.0ppm – 150ul of 1000ppm Nitrite up to 50ml with Di water

2.0ppm – 100ul of 1000ppm Nitrite up to 50ml with DI water

1.0 ppm – 50ul of 1000ppm Nitrite up to 50ml with DI water

.5ppm –5ml of 1.0ppm up to 10ml with DI water

.2 ppm – 5ml of 2.0ppm up too 50ml with DI water

.05 ppm – 5ml of .2ppm up 20ml With DI water

ICV- 150ul of second source 1000ppm Nitrite standard up too 100 ml with DI

CCVL -- .05 ppm – 5ml of .2ppm up 20ml With DI water

Original Run Filename: OM_10-1-2014_04-51-21PM.OMN Created: 10/1/2014 4:51:21 PM

Original Run Author's Signature: [buflachat3]

Current Run Filename: OM_10-1-2014_04-51-21PM.OMN Last Modified: 10/1/2014 7:00:57 PM

Current Run Author's Signature: [buflachat3]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 2 Nitrate/Nitrite			Detection Time	MDF
			Conc. (mg/L)	Area (V.s)	Height (V)		
NO2	1	S11	1.71	4.62	0.380	10/1/2014@4:52:32 PM	
CCV	1	S9	1.58	4.27	0.352	10/1/2014@4:53:40 PM	
Known Conc:			1.50				
Calibration:			Table/Fig. : 1				
CCB	1	S10	-6.56e-3	0.0118	1.62e-3	10/1/2014@4:54:48 PM	
Known Conc:			0.00				
MB	1	S10	-8.61e-3	6.28e-3	1.18e-3	10/1/2014@4:55:57 PM	
Known Conc:			0.00				
LCS	1	S9	1.58	4.28	0.351	10/1/2014@4:57:05 PM	
Known Conc:			1.50				
460-83615-a-1	1	1	2.11	5.69	0.468	10/1/2014@4:58:14 PM	
480-68306-i-1	1	2	-5.82e-3	0.0138	1.26e-3	10/1/2014@4:59:23 PM	
480-68306-i-2	1	3	0.406	1.12	0.0903	10/1/2014@5:00:32 PM	
480-68306-i-3	1	4	0.0155	0.0710	5.33e-3	10/1/2014@5:01:41 PM	
480-68306-i-4	1	5	0.0133	0.0649	5.20e-3	10/1/2014@5:02:50 PM	
480-68306-i-5	1	6	0.0333	0.119	8.63e-3	10/1/2014@5:03:59 PM	
480-68306-i-6	1	7	-4.21e-3	0.0181	1.40e-3	10/1/2014@5:05:07 PM	
480-68306-i-6 MS	1	8	1.12	3.03	0.247	10/1/2014@5:06:16 PM	
CCV	1	S9	1.53	4.13	0.340	10/1/2014@5:07:24 PM	
Known Conc:			1.50				
CCB	1	S10	-4.59e-3	0.0171	1.31e-3	10/1/2014@5:08:32 PM	
Known Conc:			0.00				
480-68308-d-1	1	9	0.0203	0.0838	5.57e-3	10/1/2014@5:09:41 PM	
480-68308-d-2	1	10	-0.321	-0.833	-0.0477	10/1/2014@5:10:49 PM	
480-68308-d-3	1	11	-0.0202	-0.0248	-1.89e-3	10/1/2014@5:11:57 PM	
480-68308-d-4	1	12	-0.147	-0.366	-0.0240	10/1/2014@5:13:05 PM	
480-68308-d-5	1	13	-0.319	-0.827	-0.0480	10/1/2014@5:14:14 PM	
480-68310-c-1	1	14	-1.33e-3	0.0258	2.29e-3	10/1/2014@5:15:21 PM	
480-68310-c-2	1	15	0.0770	0.236	0.0178	10/1/2014@5:16:29 PM	
480-68310-c-3	1	16	-4.92e-3	0.0162	1.33e-3	10/1/2014@5:17:39 PM	
480-68310-c-3 DU	1	17	-1.90e-3	0.0243	1.51e-3	10/1/2014@5:18:48 PM	
480-68310-c-3 MS	1	18	-4.22e-4	0.0282	2.23e-3	10/1/2014@5:19:57 PM	
CCV	1	S9	1.51	4.07	0.334	10/1/2014@5:21:05 PM	
Known Conc:			1.50				
CCB	1	S10	-7.03e-3	0.0105	9.71e-4	10/1/2014@5:22:13 PM	
Known Conc:			0.00				
MB	1	S10	-0.0119	-2.55e-3	6.91e-4	10/1/2014@5:23:21 PM	
Known Conc:			0.00				
LCS	1	S9	1.52	4.12	0.338	10/1/2014@5:24:30 PM	
Known Conc:			1.50				
480-68310-c-4	1	19	0.684	1.86	0.151	10/1/2014@5:25:38 PM	
480-68310-c-5	1	20	0.233	0.655	0.0525	10/1/2014@5:26:48 PM	
480-68310-c-6	1	21	1.04	2.83	0.230	10/1/2014@5:27:56 PM	
480-68310-c-7	1	22	0.360	0.995	0.0799	10/1/2014@5:29:05 PM	
480-68329-b-1 ^5	1	23	1.87	5.06	0.413	10/1/2014@5:30:13 PM	
480-68329-b-2 ^10	1	24	0.812	2.21	0.181	10/1/2014@5:31:22 PM	
480-68330-e-1 ^5	1	25	1.37	3.70	0.303	10/1/2014@5:32:30 PM	
480-68330-e-1 MS ^5	1	26	2.43	6.55	0.538	10/1/2014@5:33:38 PM	
CCV	1	S9	1.50	4.04	0.331	10/1/2014@5:34:46 PM	
Known Conc:			1.50				
CCB	1	S10	-5.29e-3	0.0152	1.47e-3	10/1/2014@5:35:55 PM	
Known Conc:			0.00				
480-68330-e-2 ^2	1	27	2.40	6.45	0.527	10/1/2014@5:37:03 PM	
480-68331-e-2	1	28	0.109	0.323	0.0273	10/1/2014@5:38:11 PM	
480-68331-e-3	1	29	0.309	0.859	0.0701	10/1/2014@5:39:19 PM	
480-68331-e-4	1	30	0.122	0.355	0.0302	10/1/2014@5:40:27 PM	
480-68331-e-5	1	31	0.151	0.434	0.0354	10/1/2014@5:41:36 PM	
480-68331-e-6	1	32	3.27	8.80	0.723	10/1/2014@5:42:45 PM	

In 10/1/2014
 5:30 PM
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In 10/1/2014
 5:30 PM

480-68332-e-1	1	33	0.743	2.02	0.165	10/1/2014@5:43:54 PM
480-68332-e-2	1	34	0.108	0.319	0.0253	10/1/2014@5:45:03 PM
480-68332-e-2 DU	1	35	0.111	0.328	0.0250	10/1/2014@5:46:12 PM
480-68332-e-2 MS	1	36	1.14	3.09	0.251	10/1/2014@5:47:21 PM
CCV	1	S9	1.49	4.03	0.329	10/1/2014@5:48:29 PM
Known Conc:			1.50			
CCB	1	S10	-5.71e-3	0.0141	1.43e-3	10/1/2014@5:49:38 PM
Known Conc:			0.00			
MB	1	S10	-5.05e-3	0.0158	1.33e-3	10/1/2014@5:50:46 PM
Known Conc:			0.00			
LCS	1	S9	1.50	4.04	0.330	10/1/2014@5:51:54 PM
Known Conc:			1.50			
480-68333-f-1	1	37	-0.0130	-5.36e-3	-1.33e-3	10/1/2014@5:53:03 PM
480-68333-f-2 ^10	1	38	0.0130	0.0643	4.40e-3	10/1/2014@5:54:12 PM
480-68334-e-1	1	39	-0.0141	-8.43e-3	-1.34e-3	10/1/2014@5:55:20 PM
480-68334-e-2	1	40	-0.0201	-0.0244	-2.21e-3	10/1/2014@5:56:28 PM
480-68334-e-3	1	41	0.0172	0.0755	5.94e-3	10/1/2014@5:57:36 PM
480-68334-e-4	1	42	-0.0237	-0.0342	-2.20e-3	10/1/2014@5:58:44 PM
480-68334-e-6	1	43	-2.54e-3	0.0226	1.84e-3	10/1/2014@5:59:52 PM
480-68334-e-6 MS	1	44	0.998	2.70	0.219	10/1/2014@6:01:00 PM
CCV	1	S9	1.47	3.98	0.325	10/1/2014@6:02:08 PM
Known Conc:			1.50			
CCB	1	S10	-0.0104	1.53e-3	-5.50e-4	10/1/2014@6:03:16 PM
Known Conc:			0.00			
480-68334-e-5	1	45	-0.0532	-0.113	-7.19e-3	10/1/2014@6:04:24 PM
480-68334-e-5 ms	1	46	0.823	2.24	0.180	10/1/2014@6:05:34 PM
480-68334-e-5 msd	1	47	0.824	2.24	0.180	10/1/2014@6:06:43 PM
480-68334-e-7	1	48	-2.02e-3	0.0240	2.15e-3	10/1/2014@6:07:52 PM
480-68334-e-9	1	49	-0.0271	-0.0432	-3.06e-3	10/1/2014@6:09:01 PM
480-68377-g-1	1	50	0.142	0.410	0.0327	10/1/2014@6:10:10 PM
480-68377-g-2	1	51	0.358	0.990	0.0788	10/1/2014@6:11:19 PM
480-68306-i-2	1	52	0.388	1.07	0.0853	10/1/2014@6:12:27 PM
480-68306-i-5	1	6	0.0325	0.117	8.74e-3	10/1/2014@6:13:36 PM
480-68308-d-2	1	10	-0.285	-0.736	-0.0434	10/1/2014@6:14:44 PM
CCV	1	S9	1.44	3.90	0.320	10/1/2014@6:15:53 PM
Known Conc:			1.50			
CCB	1	S10	-0.0161	-0.0139	-5.15e-4	10/1/2014@6:17:01 PM
Known Conc:			0.00			
MB	1	S10	-9.07e-3	5.05e-3	9.06e-4	10/1/2014@6:18:10 PM
Known Conc:			0.00			
LCS	1	S9	1.49	4.01	0.327	10/1/2014@6:19:17 PM
Known Conc:			1.50			
480-68308-d-4	1	12	-0.0850	-0.199	-0.0131	10/1/2014@6:20:25 PM
480-68308-d-5	1	13	-0.282	-0.728	-0.0432	10/1/2014@6:21:33 PM
480-68329-b-2 ^10	1	24	0.708	1.93	0.156	10/1/2014@6:22:42 PM
480-68331-e-6 ^2	1	58	3.16e-3	0.0378	3.36e-3	10/1/2014@6:23:50 PM
480-68332-e-1	1	59	0.736	2.00	0.162	10/1/2014@6:24:57 PM
480-68332-e-1 DU	1	60	0.740	2.01	0.163	10/1/2014@6:26:05 PM
480-68332-e-1 MS	1	61	1.79	4.83	0.396	10/1/2014@6:27:14 PM
480-68333-f-2	1	62	0.0565	0.181	0.0144	10/1/2014@6:28:24 PM
CCV	1	S9	1.48	3.99	0.328	10/1/2014@6:29:32 PM
Known Conc:			1.50			
CCB	1	S10	-0.0125	-4.09e-3	-6.10e-4	10/1/2014@6:30:40 PM
Known Conc:			0.00			
480-68331-e-6 ^2	1	58	1.63	4.40	0.360	10/1/2014@6:31:48 PM
480-68334-e-5	1	45	-0.0432	-0.0865	-5.22e-3	10/1/2014@6:32:56 PM
480-68334-e-5 ms	1	46	0.852	2.31	0.185	10/1/2014@6:34:05 PM
480-68334-e-5 msd	1	47	0.838	2.28	0.183	10/1/2014@6:35:15 PM
480-68377-g-1	1	67	0.135	0.393	0.0314	10/1/2014@6:36:24 PM
480-68380-h-1	1	68	-0.0130	-5.41e-3	-1.00e-3	10/1/2014@6:37:32 PM
480-68380-h-2	1	69	1.55e-3	0.0335	2.69e-3	10/1/2014@6:38:40 PM
480-68380-h-3	1	70	1.09e-3	0.0323	2.12e-3	10/1/2014@6:39:48 PM
480-68380-h-4	1	71	1.00e-3	0.0321	2.20e-3	10/1/2014@6:40:56 PM
480-68380-h-5	1	72	0.0237	0.0930	6.98e-3	10/1/2014@6:42:05 PM
CCV	1	S9	1.48	3.99	0.327	10/1/2014@6:43:13 PM
Known Conc:			1.50			
CCB	1	S10	-8.49e-3	6.61e-3	9.42e-4	10/1/2014@6:44:21 PM
Known Conc:			0.00			

SDC

SDC
25m 10m

MB	1	S10	-0.0137	-7.33e-3	-5.92e-4	10/1/2014@6:45:29 PM
	Known Conc:		0.00			
LCS	1	S9	1.49	4.02	0.327	10/1/2014@6:46:37 PM
	Known Conc:		1.50			
480-68380-h-6	1	73	1.35e-4	0.0297	2.35e-3	10/1/2014@6:47:46 PM
480-68380-h-6 DU	1	74	1.28e-3	0.0328	2.55e-3	10/1/2014@6:48:54 PM
480-68380-h-6 MS	1	75	1.11	3.01	0.245	10/1/2014@6:50:02 PM
480-68333-f-2	1	62	0.0577	0.184	0.0139	10/1/2014@6:51:12 PM
480-68334-e-5	1	77	-0.0442	-0.0891	-6.09e-3	10/1/2014@6:52:21 PM
1	1	78	-0.0149	-0.0107	-1.51e-3	10/1/2014@6:53:30 PM
1	1	79	4.38e-3	0.0411	3.46e-3	10/1/2014@6:54:39 PM
1	1	80	7.03e-3	0.0482	4.43e-3	10/1/2014@6:55:48 PM
CCV	1	S9	1.49	4.03	0.333	10/1/2014@6:56:56 PM
	Known Conc:		1.50			
CCB	1	S10	-5.88e-3	0.0136	1.50e-3	10/1/2014@6:58:04 PM
	Known Conc:		0.00			
Sample112	1	81	8.42e-3	0.0520	4.63e-3	10/1/2014@6:59:13 PM

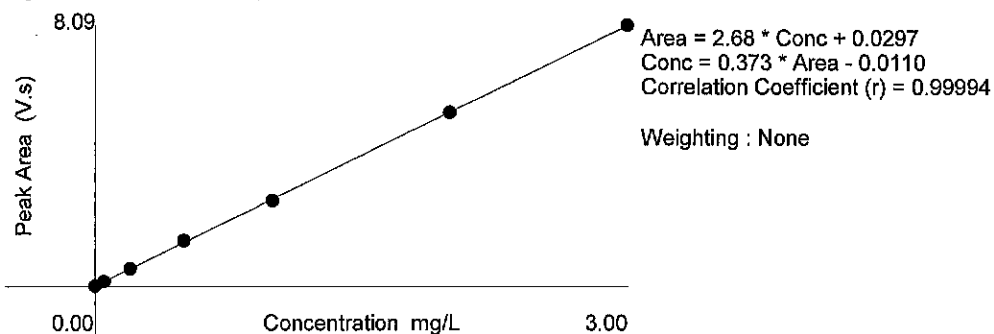
Analyte Properties Table for : OM_10-1-2014_04-51-21PM.OMN

Property	Channel 2 Nitrate/Nitrite
Concentration Units	mg/L
Calibration Fit Type	First Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	None
Auto Dilution Trigger	No
% of High Standard	110
Quik Chem Method	10-107-04-1-J
Chemistry	Direct/Bipolar
Calibration by Height	No
Inject to Peak Start	21
Peak Base Width	41

Table : 1 (Nitrate/Nitrite)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	3.00	1	8.09	0.681	0.0	-0.2	3.01	10/1/2014	12:35:33 PM
2	2.00	1	5.38	0.451	0.0	0.2	2.00	10/1/2014	12:36:41 PM
3	1.00	1	2.66	0.224	0.0	2.0	0.980	10/1/2014	12:37:50 PM
4	0.500	1	1.43	0.118	0.0	-4.3	0.522	10/1/2014	12:38:59 PM
5	0.200	1	0.565	0.0457	0.0	0.2	0.200	10/1/2014	12:40:08 PM
6	0.0500	1	0.162	0.0117	0.0	0.8	0.0496	10/1/2014	12:41:17 PM
7	0.00	1	0.0223	1.71e-3			-2.63e-3	10/1/2014	12:42:26 PM

Figure : 1 (Nitrate/Nitrite)



Original Run Filename: OM_10-1-2014_07-07-22PM.OMN Created: 10/1/2014 7:07:22 PM

Original Run Author's Signature: [buflachat3]

Current Run Filename: OM_10-1-2014_07-07-22PM.OMN Last Modified: 10/1/2014 8:03:27 PM

Current Run Author's Signature: [buflachat3]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 2			Detection Time	MDF
			Nitrite Conc. (mg/L)	Area (V.s)	Height (V)		
CCV	1	S11	1.52	4.57	0.485	10/1/2014@7:08:31 PM	
Known Conc:			1.50				
Calibration:			Table/Fig. : 1				
CCB	1	S10	-7.03e-3	-7.38e-3	-1.67e-3	10/1/2014@7:09:38 PM	
Known Conc:			0.00				
MB	1	S10	-7.78e-3	-8.93e-3	-1.91e-3	10/1/2014@7:10:44 PM	
Known Conc:			0.00				
LCS	1	S11	1.52	4.59	0.486	10/1/2014@7:11:51 PM	
Known Conc:			1.50				
460-83615-a-1	1	1	0.318	0.977	0.102	10/1/2014@7:12:58 PM	
480-68306-i-2	1	3	4.40e-3	0.0300	1.98e-3	10/1/2014@7:14:05 PM	
480-68310-c-2	1	15	5.08e-3	0.0341	2.20e-3	10/1/2014@7:15:10 PM	
480-68310-c-4	1	19	0.0102	0.0491	3.84e-3	10/1/2014@7:16:17 PM	
480-68310-c-5	1	20	8.59e-3	0.0444	3.32e-3	10/1/2014@7:17:24 PM	
480-68310-c-6	1	21	7.70e-3	0.0347	3.04e-3	10/1/2014@7:18:31 PM	
480-68310-c-7	1	22	4.10e-3	0.0230	1.89e-3	10/1/2014@7:19:38 PM	
480-68310-c-7 MS	1	76	1.16	3.51	0.370	10/1/2014@7:20:45 PM	
CCV	1	S11	1.49	4.46	0.476	10/1/2014@7:21:52 PM	
Known Conc:			0.00				
CCB	1	S10	6.15e-3	0.0276	2.54e-3	10/1/2014@7:22:58 PM	
Known Conc:			100				
480-68310-c-4	1	19	0.0103	0.0485	3.88e-3	10/1/2014@7:24:05 PM	
480-68310-c-5	1	20	9.04e-3	0.0483	3.46e-3	10/1/2014@7:25:12 PM	
480-68310-c-6	1	21	5.79e-3	0.0300	2.42e-3	10/1/2014@7:26:19 PM	
480-68310-c-7	1	22	4.81e-3	0.0298	2.11e-3	10/1/2014@7:27:25 PM	
480-68329-b-1	1	23	0.0502	0.170	0.0166	10/1/2014@7:28:32 PM	
480-68329-b-2	1	24	0.0378	0.137	0.0127	10/1/2014@7:29:38 PM	
480-68330-e-1	1	77	0.0197	0.0764	6.88e-3	10/1/2014@7:30:46 PM	
480-68330-e-1 DU	1	78	0.0207	0.0823	7.19e-3	10/1/2014@7:31:53 PM	
480-68330-e-1 MS	1	79	1.06	3.22	0.340	10/1/2014@7:33:00 PM	
480-68330-e-2	1	27	0.0272	0.104	9.27e-3	10/1/2014@7:34:06 PM	
CCV	1	S11	1.47	4.41	0.470	10/1/2014@7:35:13 PM	
Known Conc:			0.00				
CCB	1	S10	3.13e-3	0.0240	1.58e-3	10/1/2014@7:36:19 PM	
Known Conc:			0.00				
MB	1	S10	4.17e-3	0.0284	1.91e-3	10/1/2014@7:37:25 PM	
Known Conc:			1.50				
LCS	1	S11	1.52	4.57	0.486	10/1/2014@7:38:33 PM	
Known Conc:			100				
480-68331-e-2	1	28	7.36e-3	0.0327	2.93e-3	10/1/2014@7:39:39 PM	
480-68331-e-3	1	29	4.01e-3	0.0203	1.86e-3	10/1/2014@7:40:44 PM	
480-68331-e-4	1	30	7.88e-3	0.0462	3.09e-3	10/1/2014@7:41:50 PM	
480-68331-e-5	1	31	3.83e-3	0.0264	1.80e-3	10/1/2014@7:42:58 PM	
480-68331-e-6	1	32	5.05e-3	0.0284	2.19e-3	10/1/2014@7:44:05 PM	
480-68332-e-1	1	33	5.73e-3	0.0316	2.41e-3	10/1/2014@7:45:12 PM	
480-68332-e-1 MS	1	80	1.08	3.25	0.345	10/1/2014@7:46:19 PM	
480-68332-e-2	1	34	5.19e-3	0.0354	2.23e-3	10/1/2014@7:47:26 PM	
CCV	1	S11	1.50	4.52	0.481	10/1/2014@7:48:32 PM	
Known Conc:			0.00				
CCB	1	S10	5.57e-4	3.51e-4	7.54e-4	10/1/2014@7:49:39 PM	
Known Conc:			100				
480-68333-f-2	1	81	0.0158	0.0656	5.63e-3	10/1/2014@7:50:45 PM	
480-68334-e-5	1	82	8.04e-3	0.0413	3.14e-3	10/1/2014@7:51:52 PM	
480-68334-e-5 MS	1	83	0.838	2.56	0.268	10/1/2014@7:52:59 PM	
480-68334-e-5 MSD	1	84	0.892	2.73	0.285	10/1/2014@7:54:06 PM	
480-68377-g-1	1	50	0.0149	0.0595	5.34e-3	10/1/2014@7:55:13 PM	
480-68377-g-2	1	51	0.0169	0.0709	5.99e-3	10/1/2014@7:56:19 PM	
480-68329-b-1	1	23	0.0518	0.175	0.0171	10/1/2014@7:57:26 PM	

480-68329-b-1	1	23	0.0510	0.174	0.0169	10/1/2014@7:58:33 PM	
480-68333-f-2	1	81	0.0163	0.0632	5.79e-3	10/1/2014@7:59:39 PM	
CCV	1	S11	1.49	4.41	0.477	10/1/2014@8:00:46 PM	
Known Conc:			0.00				
CCB	1	S10	5.22e-3	0.0279	2.24e-3	10/1/2014@8:01:52 PM	
Known Conc:			0.00				

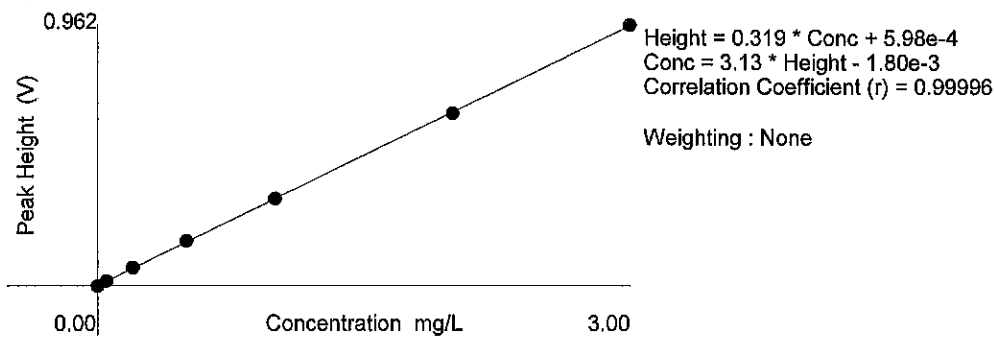
Analyte Properties Table for : OM_10-1-2014_07-07-22PM.OMN

Property	Channel 2 Nitrite
Concentration Units	mg/L
Calibration Fit Type	First Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	None
Auto Dilution Trigger	No
% of High Standard	110
Quik Chem Method	10-107-04-1-J
Chemistry	Direct/Bipolar
Calibration by Height	Yes
Inject to Peak Start	5
Peak Base Width	49

Table : 1 (Nitrite)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	3.00	1	9.03	0.962	0.0	-0.3	3.01	10/1/2014	4:06:34 PM
2	2.00	1	5.98	0.634	0.0	0.9	1.98	10/1/2014	4:07:41 PM
3	1.00	1	3.09	0.320	0.0	0.1	0.999	10/1/2014	4:08:47 PM
4	0.500	1	1.55	0.163	0.0	-1.8	0.509	10/1/2014	4:09:54 PM
5	0.200	1	0.643	0.0661	0.0	-2.5	0.205	10/1/2014	4:11:02 PM
6	0.0500	1	0.181	0.0169	0.0	-1.9	0.0510	10/1/2014	4:12:09 PM
7	0.00	1	-8.20e-3	-1.70e-3			-7.13e-3	10/1/2014	4:13:16 PM

Figure : 1 (Nitrite)



Historical Data Summary Report

For Batch 205526

Lab Sample ID	Client Sample	Method	Analyte	Data				Result	Fail 3-Sigma Limits	Fail Client Limits
				Prep Type	Unit	Points	Dilution			
480-68306-I-1	MW-13A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-68306-I-2	MW-16A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	1	1.0	0.41	☒ 0.61 - 0.61	☒ 0.488 - 0.732 Cont
480-68306-I-3	MW-13B	353.2	Nitrate Nitrite as N	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-68306-I-4	MW-17A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	2	1.0	ND	☐ 0-0.34	☒ 0.068 - 0.102 w/ps BL
480-68306-I-5	MW-18A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	2	1.0	ND	☒ 0.071 - 0.074	☒ 0.058 - 0.087 Cont
480-68306-I-6	MW-18B	353.2	Nitrate Nitrite as N	Total/NA	mg/L	2	1.0	ND	☐ 0-0	☐ 0-0
480-68308-D-1	MW-2	353.2	Nitrate Nitrite as N	Total/NA	mg/L	8	1.0	0.020	☐ 0-0.094	☐ 0-0.079
480-68308-D-2	MW-12	353.2	Nitrate Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0.242	☐ 0-0.252
480-68308-D-3	MW-17	353.2	Nitrate Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0.066	☐ 0-0.053
480-68308-D-4	MW-11	353.2	Nitrate Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0.11	☐ 0-0.09
480-68308-D-5	MW-13	353.2	Nitrate Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0.239	☐ 0-0.252
480-68329-B-1 ^5	DSD10	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N3	5	5.0	9.4	☐ 0.689 - 16.044	☐ 6.693 - 10.04
480-68329-B-2 ^10	DSU09	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N3	10	10.0	8.1	☒ 11.733 - 21.801	☒ 13.413 - 20.12 ok w/ps BL
480-68330-E-1 ^5	SW-1	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	5	5.0	6.9	☐ 0-9.657	☒ 3.467 - 5.2 ok w/ps BL
480-68330-E-2 ^2	SW-2	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	2	2.0	4.8	☐ 0-8.573	☒ 3.067 - 4.6 ok w/ps BL
480-68331-E-2	DUP	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	1	1.0	0.11	☐ 0-0.624	☒ 0.213 - 0.32 ok w/ps BL
480-68331-E-3	MW-20S	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	1	1.0	0.31	☐ 0-0.614	☒ 0.205 - 0.308 ok w/ps BL
480-68331-E-4	MW-3S	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	1	1.0	0.12	☐ 0-0.311	☒ 0.077 - 0.116 ok w/ps BL
480-68331-E-5	MW-18S	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	1	1.0	0.15	☐ 0-3.67	☒ 0.56 - 0.84 ok w/ps BL
480-68331-E-6 ^2	MW-19S	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	2	2.0	3.3	☒ 1.032 - 3.168	☒ 1.68 - 2.52 Cont
480-68332-E-1	MW-13S	353.2	Nitrate-Nitrite	Total/NA	mg/L as N1	1	1.0	0.74	☒ 0.15 - 0.15	☒ 0.12 - 0.18 Cont
480-68332-E-2	MW-4	353.2	Nitrate-Nitrite	Total/NA	mg/L as N1	1	1.0	0.11	☒ 0-0	☒ 0-0 Cont
480-68333-F-1	HT-1	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N1	1	1.0	ND	☐ 0-0	☐ 0-0
480-68333-F-2 ^10	HT-2	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N1	10	10.0	ND	☒ 20 - 20	☒ 16 - 24 Cont
480-68334-E-1 ^10	MW204-DUP	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-2	MW203	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-3	MW203A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0.347	☐ 0-0.324
480-68334-E-4	MW204	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-5	MW205	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0.11	☐ 0-0.103
480-68334-E-6	MW214A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0.144	☐ 0-0.113
480-68334-E-7	MW215	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0.073	☐ 0-0.068
480-68334-E-9	MW202	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68377-G-1	SP-A	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1	1.0	0.14	☐ 0-1.298	☐ 0-0.984
480-68377-G-2	SP-B	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1	1.0	0.36	☐ 0-1.626	☐ 0-1.32
480-68380-H-1	TRIP BLANK	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-2	DUPLICATE @ MW353.2	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N1	1	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-3	MW-11	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-4	MW-3	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1	1.0	ND	☐ 0-0.2	☐ 0-0.168

Historical Data Summary Report

For Batch 205526

Lab Sample ID	Client Sample	Method	Analyte	Data					Result	Fail 3-Sigma Limits	Fail Client Limits
				Prep Type	Unit	Points	Dilution				
480-68380-H-5	MW-5	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1.0	1.0		ND	☐ 0 - 0.108	☐ 0 - 0.082
480-68380-H-6	MW-9	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1.0	1.0		ND	☐ 0 - 0	☐ 0 - 0

Historical Data Summary Report

For Batch 205542

Lab Sample ID	Client Sample	Method	Analyte	Data				Result	Fail 3-Sigma Limits	Fail Client Limits
				Prep Type	Unit	Points	Dilution			
480-68306-I-2	MW-16A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-68329-B-1	DSD10	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N3		1.0	0.050	☐ 0-0.162	☒ 0.039 - 0.058 <i>conf</i>
480-68329-B-2	DSU09	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N3		1.0	ND	☐ 0-0.215	☒ 0.053 - 0.079 <i>OK w/ 2581</i>
480-68330-E-1	SW-1	353.2_Nitrite	Nitrite	Total/NA	mg/L as N5		1.0	ND	☐ 0-0	☐ 0-0
480-68330-E-2	SW-2	353.2_Nitrite	Nitrite	Total/NA	mg/L as N5		1.0	ND	☐ 0-0	☐ 0-0
480-68331-E-2	DUP	353.2_Nitrite	Nitrite	Total/NA	mg/L as N3		1.0	ND	☐ 0-0	☐ 0-0
480-68331-E-3	MW-20S	353.2_Nitrite	Nitrite	Total/NA	mg/L as N3		1.0	ND	☐ 0-0	☐ 0-0
480-68331-E-4	MW-3S	353.2_Nitrite	Nitrite	Total/NA	mg/L as N3		1.0	ND	☐ 0-0	☐ 0-0
480-68331-E-5	MW-18S	353.2_Nitrite	Nitrite	Total/NA	mg/L as N3		1.0	ND	☐ 0-0	☐ 0-0
480-68331-E-6	MW-19S	353.2_Nitrite	Nitrite	Total/NA	mg/L as N3		1.0	ND	☐ 0-0	☐ 0-0
480-68332-E-1	MW-13S	353.2_Nitrite	Nitrite	Total/NA	mg/L as N1		1.0	ND	☐ 0-0	☐ 0-0
480-68332-E-2	MW-4	353.2_Nitrite	Nitrite	Total/NA	mg/L as N1		1.0	ND	☐ 0-0	☐ 0-0
480-68333-F-2	HT-2	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N1		1.0	ND	☒ 8.5 - 8.5	☒ 6.8 - 10.2 <i>conf</i>
480-68334-E-5	MW205	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0.121	☐ 0-0.113
480-68377-G-1	SP-A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8		1.0	ND	☐ 0-0	☐ 0-0
480-68377-G-2	SP-B	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8		1.0	ND	☐ 0-0	☐ 0-0

Historical Data Summary Report

For Batch 205564

Lab Sample ID	Client Sample	Method	Analyte	Data				Result	Fail 3-Sigma Limits	Fail Client Limits
				Prep Type	Unit	Points	Dilution			
480-68306-I-1	MW-13A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	1	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68306-I-3	MW-13B	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	1	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68306-I-4	MW-17A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	2	1.0	ND	☐ 0 - 0.2	☒ 0.06 <i>or ND</i>
480-68306-I-5	MW-18A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	2	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68306-I-6	MW-18B	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	2	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68308-D-1	MW-2	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68308-D-2	MW-12	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0.159	☐ 0 - 0.168
480-68308-D-3	MW-17	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68308-D-4	MW-11	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0.182	☐ 0 - 0.12
480-68308-D-5	MW-13	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68333-F-1	HT-1	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N1	6	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68334-E-1	MW204-DUP	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68334-E-2	MW203	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68334-E-3	MW203A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68334-E-4	MW204	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68334-E-6	MW214A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68334-E-7	MW215	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0 - 0.18	☐ 0 - 0.168
480-68334-E-9	MW202	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68380-H-1	TRIP BLANK	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68380-H-2	DUPLICATE @ MW353.2_Nitrite	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N1	6	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68380-H-3	MW-11	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68380-H-4	MW-3	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68380-H-5	MW-5	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8	8	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68380-H-6	MW-9	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8	8	1.0	ND	☐ 0 - 0	☐ 0 - 0

10/30/2014

Nitrate, Nitrite, Nitrate/Nitrite (Method 353.2)

<u>Solutions #</u>		
Nitrate, Nitrate/Nitrite 1000mg/L STD (CAL)	2134139	Exp. 03/01/2016
Nitrate 1000mg/L STD (CCV/LCS/ICV)	1866643	Exp. 04/30/2015
Nitrite 1000mg/L STD (CAL)	1835236	Exp. 09/24/2015
Nitrite 1000mg/L STD (CCV/LCS/ICV)	1979626	Exp. 01/31/2016
Nitrate, Nitrate/Nitrite Int STD	2329080	Exp. 10/03/2014
Nitrite Int STD	2329081	Exp. 10/03/2014
 Nitrate 1.5ppm CCV/ICV	 2334171	 Exp: 10/02/2014
Nitrite 1.5ppm CCV/ICV	2334172	Exp: 10/02/2014
Ammonium Chloride Buffer	2331746	Exp. 10/30/2014
Color Reagent	2307131	Exp. 10/17/2014
1:4 Ammonia Hydroxide	2329079	Exp. 03/29/2015

Quality Control Limits

LCS/CCV = 1.5mg/L

Control Limits = 90-110%

(1.35 mg/L –.65 mg/L)

MB/CCB = 0.0mg/L

Control Limits <0.05mg/ >-0.05mg/L

MS/SD = 1.0mg/L

Control Limits = 90-110%

RPD Control Limits <20%

Nitrate/Nitrite Calibration curve:

3.0ppm – 150ul of 1000ppm Nitrate/Nitrite up to 50ml with DI water

2.0ppm – 100ul of 1000ppm Nitrate/Nitrite up to 50ml with DI water

1.0 ppm – 50ul of 1000ppm Nitrate/Nitrite up to 50ml with DI water

.5ppm –5ml of 1.0ppm up to 10ml with DI water

.2 ppm – 5ml of 2.0ppm up too 50ml with DI water

.05 ppm – 5ml of .2ppm up 20ml With DI water

ICV- 150ul of second source 1000ppm Nitrate/Nitrite standard up too 100 ml with DI

CCVL -- .05 ppm – 5ml of .2ppm up 20ml With DI water

Nitrite Calibration curve:

3.0ppm – 150ul of 1000ppm Nitrite up to 50ml with DI water

2.0ppm – 100ul of 1000ppm Nitrite up to 50ml with DI water

1.0 ppm – 50ul of 1000ppm Nitrite up to 50ml with DI water

.5ppm –5ml of 1.0ppm up to 10ml with DI water

.2 ppm – 5ml of 2.0ppm up too 50ml with DI water

.05 ppm – 5ml of .2ppm up 20ml With DI water

ICV- 150ul of second source 1000ppm Nitrite standard up too 100 ml with DI

CCVL -- .05 ppm – 5ml of .2ppm up 20ml With DI water

Original Run Filename: OM_10-1-2014_04-51-21PM.OMN Created: 10/1/2014 4:51:21 PM

Original Run Author's Signature: [buflachat3]

Current Run Filename: OM_10-1-2014_04-51-21PM.OMN Last Modified: 10/1/2014 7:00:57 PM

Current Run Author's Signature: [buflachat3]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 2 Nitrate/Nitrite			Detection Time	MDF
			Conc. (mg/L)	Area (V.s)	Height (V)		
NO2	1	S11	1.71	4.62	0.380	10/1/2014@4:52:32 PM	
CCV	1	S9	1.58	4.27	0.352	10/1/2014@4:53:40 PM	
Known Conc:			1.50				
Calibration:			Table/Fig. : 1				
CCB	1	S10	-6.56e-3	0.0118	1.62e-3	10/1/2014@4:54:48 PM	
Known Conc:			0.00				
MB	1	S10	-8.61e-3	6.28e-3	1.18e-3	10/1/2014@4:55:57 PM	
Known Conc:			0.00				
LCS	1	S9	1.58	4.28	0.351	10/1/2014@4:57:05 PM	
Known Conc:			1.50				
460-83615-a-1	1	1	2.11	5.69	0.468	10/1/2014@4:58:14 PM	
480-68306-i-1	1	2	-5.82e-3	0.0138	1.26e-3	10/1/2014@4:59:23 PM	
480-68306-i-2	1	3	0.406	1.12	0.0903	10/1/2014@5:00:32 PM	
480-68306-i-3	1	4	0.0155	0.0710	5.33e-3	10/1/2014@5:01:41 PM	
480-68306-i-4	1	5	0.0133	0.0649	5.20e-3	10/1/2014@5:02:50 PM	
480-68306-i-5	1	6	0.0333	0.119	8.63e-3	10/1/2014@5:03:59 PM	
480-68306-i-6	1	7	-4.21e-3	0.0181	1.40e-3	10/1/2014@5:05:07 PM	
480-68306-i-6 MS	1	8	1.12	3.03	0.247	10/1/2014@5:06:16 PM	
CCV	1	S9	1.53	4.13	0.340	10/1/2014@5:07:24 PM	
Known Conc:			1.50				
CCB	1	S10	-4.59e-3	0.0171	1.31e-3	10/1/2014@5:08:32 PM	
Known Conc:			0.00				
480-68308-d-1	1	9	0.0203	0.0838	5.57e-3	10/1/2014@5:09:41 PM	
480-68308-d-2	1	10	-0.321	-0.833	-0.0477	10/1/2014@5:10:49 PM	
480-68308-d-3	1	11	-0.0202	-0.0248	-1.89e-3	10/1/2014@5:11:57 PM	
480-68308-d-4	1	12	-0.147	-0.366	-0.0240	10/1/2014@5:13:05 PM	
480-68308-d-5	1	13	-0.319	-0.827	-0.0480	10/1/2014@5:14:14 PM	
480-68310-c-1	1	14	-1.33e-3	0.0258	2.29e-3	10/1/2014@5:15:21 PM	
480-68310-c-2	1	15	0.0770	0.236	0.0178	10/1/2014@5:16:29 PM	
480-68310-c-3	1	16	-4.92e-3	0.0162	1.33e-3	10/1/2014@5:17:39 PM	
480-68310-c-3 DU	1	17	-1.90e-3	0.0243	1.51e-3	10/1/2014@5:18:48 PM	
480-68310-c-3 MS	1	18	-4.22e-4	0.0282	2.23e-3	10/1/2014@5:19:57 PM	
CCV	1	S9	1.51	4.07	0.334	10/1/2014@5:21:05 PM	
Known Conc:			1.50				
CCB	1	S10	-7.03e-3	0.0105	9.71e-4	10/1/2014@5:22:13 PM	
Known Conc:			0.00				
MB	1	S10	-0.0119	-2.55e-3	6.91e-4	10/1/2014@5:23:21 PM	
Known Conc:			0.00				
LCS	1	S9	1.52	4.12	0.338	10/1/2014@5:24:30 PM	
Known Conc:			1.50				
480-68310-c-4	1	19	0.684	1.86	0.151	10/1/2014@5:25:38 PM	
480-68310-c-5	1	20	0.233	0.655	0.0525	10/1/2014@5:26:48 PM	
480-68310-c-6	1	21	1.04	2.83	0.230	10/1/2014@5:27:56 PM	
480-68310-c-7	1	22	0.360	0.995	0.0799	10/1/2014@5:29:05 PM	
480-68329-b-1 ^5	1	23	1.87	5.06	0.413	10/1/2014@5:30:13 PM	
480-68329-b-2 ^10	1	24	0.812	2.21	0.181	10/1/2014@5:31:22 PM	
480-68330-e-1 ^5	1	25	1.37	3.70	0.303	10/1/2014@5:32:30 PM	
480-68330-e-1 MS ^5	1	26	2.43	6.55	0.538	10/1/2014@5:33:38 PM	
CCV	1	S9	1.50	4.04	0.331	10/1/2014@5:34:46 PM	
Known Conc:			1.50				
CCB	1	S10	-5.29e-3	0.0152	1.47e-3	10/1/2014@5:35:55 PM	
Known Conc:			0.00				
480-68330-e-2 ^2	1	27	2.40	6.45	0.527	10/1/2014@5:37:03 PM	
480-68331-e-2	1	28	0.109	0.323	0.0273	10/1/2014@5:38:11 PM	
480-68331-e-3	1	29	0.309	0.859	0.0701	10/1/2014@5:39:19 PM	
480-68331-e-4	1	30	0.122	0.355	0.0302	10/1/2014@5:40:27 PM	
480-68331-e-5	1	31	0.151	0.434	0.0354	10/1/2014@5:41:36 PM	
480-68331-e-6	1	32	3.27	8.80	0.723	10/1/2014@5:42:45 PM	

480-68329-b-1 ^5
480-68329-b-2 ^10
480-68330-e-1 ^5
480-68330-e-1 MS ^5

480-68330-e-2 ^2

480-68332-e-1	1	33	0.743	2.02	0.165	10/1/2014@5:43:54 PM
480-68332-e-2	1	34	0.108	0.319	0.0253	10/1/2014@5:45:03 PM
480-68332-e-2 DU	1	35	0.111	0.328	0.0250	10/1/2014@5:46:12 PM
480-68332-e-2 MS	1	36	1.14	3.09	0.251	10/1/2014@5:47:21 PM
CCV	1	S9	1.49	4.03	0.329	10/1/2014@5:48:29 PM
Known Conc:			1.50			
CCB	1	S10	-5.71e-3	0.0141	1.43e-3	10/1/2014@5:49:38 PM
Known Conc:			0.00			
MB	1	S10	-5.05e-3	0.0158	1.33e-3	10/1/2014@5:50:46 PM
Known Conc:			0.00			
LCS	1	S9	1.50	4.04	0.330	10/1/2014@5:51:54 PM
Known Conc:			1.50			
480-68333-f-1	1	37	-0.0130	-5.36e-3	-1.33e-3	10/1/2014@5:53:03 PM
480-68333-f-2 ^10	1	38	0.0130	0.0643	4.40e-3	10/1/2014@5:54:12 PM
480-68334-e-1	1	39	-0.0141	-8.43e-3	-1.34e-3	10/1/2014@5:55:20 PM
480-68334-e-2	1	40	-0.0201	-0.0244	-2.21e-3	10/1/2014@5:56:28 PM
480-68334-e-3	1	41	0.0172	0.0755	5.94e-3	10/1/2014@5:57:36 PM
480-68334-e-4	1	42	-0.0237	-0.0342	-2.20e-3	10/1/2014@5:58:44 PM
480-68334-e-6	1	43	-2.54e-3	0.0226	1.84e-3	10/1/2014@5:59:52 PM
480-68334-e-6 MS	1	44	0.998	2.70	0.219	10/1/2014@6:01:00 PM
CCV	1	S9	1.47	3.98	0.325	10/1/2014@6:02:08 PM
Known Conc:			1.50			
CCB	1	S10	-0.0104	1.53e-3	-5.50e-4	10/1/2014@6:03:16 PM
Known Conc:			0.00			
480-68334-e-5	1	45	-0.0532	-0.113	-7.19e-3	10/1/2014@6:04:24 PM
480-68334-e-5 ms	1	46	0.823	2.24	0.180	10/1/2014@6:05:34 PM
480-68334-e-5 msd	1	47	0.824	2.24	0.180	10/1/2014@6:06:43 PM
480-68334-e-7	1	48	-2.02e-3	0.0240	2.15e-3	10/1/2014@6:07:52 PM
480-68334-e-9	1	49	-0.0271	-0.0432	-3.06e-3	10/1/2014@6:09:01 PM
480-68377-g-1	1	50	0.142	0.410	0.0327	10/1/2014@6:10:10 PM
480-68377-g-2	1	51	0.358	0.990	0.0788	10/1/2014@6:11:19 PM
480-68306-i-2	1	52	0.388	1.07	0.0853	10/1/2014@6:12:27 PM
480-68306-i-5	1	6	0.0325	0.117	8.74e-3	10/1/2014@6:13:36 PM
480-68308-d-2	1	10	-0.285	-0.736	-0.0434	10/1/2014@6:14:44 PM
CCV	1	S9	1.44	3.90	0.320	10/1/2014@6:15:53 PM
Known Conc:			1.50			
CCB	1	S10	-0.0161	-0.0139	-5.15e-4	10/1/2014@6:17:01 PM
Known Conc:			0.00			
MB	1	S10	-9.07e-3	5.05e-3	9.06e-4	10/1/2014@6:18:10 PM
Known Conc:			0.00			
LCS	1	S9	1.49	4.01	0.327	10/1/2014@6:19:17 PM
Known Conc:			1.50			
480-68308-d-4	1	12	-0.0850	-0.199	-0.0131	10/1/2014@6:20:25 PM
480-68308-d-5	1	13	-0.282	-0.728	-0.0432	10/1/2014@6:21:33 PM
480-68329-b-2 ^10	1	24	0.708	1.93	0.156	10/1/2014@6:22:42 PM
480-68331-e-6 ^2	1	58	3.16e-3	0.0378	3.36e-3	10/1/2014@6:23:50 PM
480-68332-e-1	1	59	0.736	2.00	0.162	10/1/2014@6:24:57 PM
480-68332-e-1 DU	1	60	0.740	2.01	0.163	10/1/2014@6:26:05 PM
480-68332-e-1 MS	1	61	1.79	4.83	0.396	10/1/2014@6:27:14 PM
480-68333-f-2	1	62	0.0565	0.181	0.0144	10/1/2014@6:28:24 PM
CCV	1	S9	1.48	3.99	0.328	10/1/2014@6:29:32 PM
Known Conc:			1.50			
CCB	1	S10	-0.0125	-4.09e-3	-6.10e-4	10/1/2014@6:30:40 PM
Known Conc:			0.00			
480-68331-e-6 ^2	1	58	1.63	4.40	0.360	10/1/2014@6:31:48 PM
480-68334-e-5	1	45	-0.0432	-0.0865	-5.22e-3	10/1/2014@6:32:56 PM
480-68334-e-5 ms	1	46	0.852	2.31	0.185	10/1/2014@6:34:05 PM
480-68334-e-5 msd	1	47	0.838	2.28	0.183	10/1/2014@6:35:15 PM
480-68377-g-1	1	67	0.135	0.393	0.0314	10/1/2014@6:36:24 PM
480-68380-h-1	1	68	-0.0130	-5.41e-3	-1.00e-3	10/1/2014@6:37:32 PM
480-68380-h-2	1	69	1.55e-3	0.0335	2.69e-3	10/1/2014@6:38:40 PM
480-68380-h-3	1	70	1.09e-3	0.0323	2.12e-3	10/1/2014@6:39:48 PM
480-68380-h-4	1	71	1.00e-3	0.0321	2.20e-3	10/1/2014@6:40:56 PM
480-68380-h-5	1	72	0.0237	0.0930	6.98e-3	10/1/2014@6:42:05 PM
CCV	1	S9	1.48	3.99	0.327	10/1/2014@6:43:13 PM
Known Conc:			1.50			
CCB	1	S10	-8.49e-3	6.61e-3	9.42e-4	10/1/2014@6:44:21 PM
Known Conc:			0.00			

SDC

SDC
25m 10m

MB	1	S10	-0.0137	-7.33e-3	-5.92e-4	10/1/2014@6:45:29 PM
	Known Conc:		0.00			
LCS	1	S9	1.49	4.02	0.327	10/1/2014@6:46:37 PM
	Known Conc:		1.50			
480-68380-h-6	1	73	1.35e-4	0.0297	2.35e-3	10/1/2014@6:47:46 PM
480-68380-h-6 DU	1	74	1.28e-3	0.0328	2.55e-3	10/1/2014@6:48:54 PM
480-68380-h-6 MS	1	75	1.11	3.01	0.245	10/1/2014@6:50:02 PM
480-68333-f-2	1	62	0.0577	0.184	0.0139	10/1/2014@6:51:12 PM
480-68334-e-5	1	77	-0.0442	-0.0891	-6.09e-3	10/1/2014@6:52:21 PM
1	1	78	-0.0149	-0.0107	-1.51e-3	10/1/2014@6:53:30 PM
1	1	79	4.38e-3	0.0411	3.46e-3	10/1/2014@6:54:39 PM
1	1	80	7.03e-3	0.0482	4.43e-3	10/1/2014@6:55:48 PM
CCV	1	S9	1.49	4.03	0.333	10/1/2014@6:56:56 PM
	Known Conc:		1.50			
CCB	1	S10	-5.88e-3	0.0136	1.50e-3	10/1/2014@6:58:04 PM
	Known Conc:		0.00			
Sample112	1	81	8.42e-3	0.0520	4.63e-3	10/1/2014@6:59:13 PM

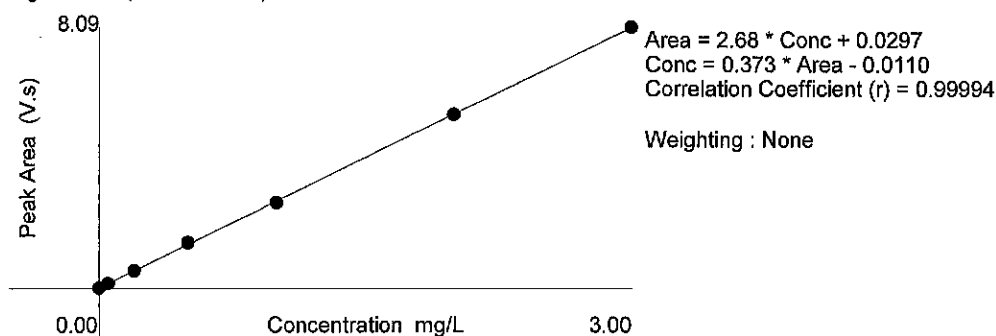
Analyte Properties Table for : OM_10-1-2014_04-51-21PM.OMN

Property	Channel 2 Nitrate/Nitrite
Concentration Units	mg/L
Calibration Fit Type	First Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	None
Auto Dilution Trigger	No
% of High Standard	110
Quik Chem Method	10-107-04-1-J
Chemistry	Direct/Bipolar
Calibration by Height	No
Inject to Peak Start	21
Peak Base Width	41

Table : 1 (Nitrate/Nitrite)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	3.00	1	8.09	0.681	0.0	-0.2	3.01	10/1/2014	12:35:33 PM
2	2.00	1	5.38	0.451	0.0	0.2	2.00	10/1/2014	12:36:41 PM
3	1.00	1	2.66	0.224	0.0	2.0	0.980	10/1/2014	12:37:50 PM
4	0.500	1	1.43	0.118	0.0	-4.3	0.522	10/1/2014	12:38:59 PM
5	0.200	1	0.565	0.0457	0.0	0.2	0.200	10/1/2014	12:40:08 PM
6	0.0500	1	0.162	0.0117	0.0	0.8	0.0496	10/1/2014	12:41:17 PM
7	0.00	1	0.0223	1.71e-3			-2.63e-3	10/1/2014	12:42:26 PM

Figure : 1 (Nitrate/Nitrite)



Original Run Filename: OM_10-1-2014_07-07-22PM.OMN Created: 10/1/2014 7:07:22 PM

Original Run Author's Signature: [buflachat3]

Current Run Filename: OM_10-1-2014_07-07-22PM.OMN Last Modified: 10/1/2014 8:03:27 PM

Current Run Author's Signature: [buflachat3]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 2			Detection Time	MDF
			Nitrite Conc. (mg/L)	Area (V.s)	Height (V)		
CCV	1	S11	1.52	4.57	0.485	10/1/2014@7:08:31 PM	
Known Conc:			1.50				
Calibration:			Table/Fig. : 1				
CCB	1	S10	-7.03e-3	-7.38e-3	-1.67e-3	10/1/2014@7:09:38 PM	
Known Conc:			0.00				
MB	1	S10	-7.78e-3	-8.93e-3	-1.91e-3	10/1/2014@7:10:44 PM	
Known Conc:			0.00				
LCS	1	S11	1.52	4.59	0.486	10/1/2014@7:11:51 PM	
Known Conc:			1.50				
460-83615-a-1	1	1	0.318	0.977	0.102	10/1/2014@7:12:58 PM	
480-68306-i-2	1	3	4.40e-3	0.0300	1.98e-3	10/1/2014@7:14:05 PM	
480-68310-c-2	1	15	5.08e-3	0.0341	2.20e-3	10/1/2014@7:15:10 PM	
480-68310-c-4	1	19	0.0102	0.0491	3.84e-3	10/1/2014@7:16:17 PM	
480-68310-c-5	1	20	8.59e-3	0.0444	3.32e-3	10/1/2014@7:17:24 PM	
480-68310-c-6	1	21	7.70e-3	0.0347	3.04e-3	10/1/2014@7:18:31 PM	
480-68310-c-7	1	22	4.10e-3	0.0230	1.89e-3	10/1/2014@7:19:38 PM	
480-68310-c-7 MS	1	76	1.16	3.51	0.370	10/1/2014@7:20:45 PM	
CCV	1	S11	1.49	4.46	0.476	10/1/2014@7:21:52 PM	
Known Conc:			0.00				
CCB	1	S10	6.15e-3	0.0276	2.54e-3	10/1/2014@7:22:58 PM	
Known Conc:			100				
480-68310-c-4	1	19	0.0103	0.0485	3.88e-3	10/1/2014@7:24:05 PM	
480-68310-c-5	1	20	9.04e-3	0.0483	3.46e-3	10/1/2014@7:25:12 PM	
480-68310-c-6	1	21	5.79e-3	0.0300	2.42e-3	10/1/2014@7:26:19 PM	
480-68310-c-7	1	22	4.81e-3	0.0298	2.11e-3	10/1/2014@7:27:25 PM	
480-68329-b-1	1	23	0.0502	0.170	0.0166	10/1/2014@7:28:32 PM	
480-68329-b-2	1	24	0.0378	0.137	0.0127	10/1/2014@7:29:38 PM	
480-68330-e-1	1	77	0.0197	0.0764	6.88e-3	10/1/2014@7:30:46 PM	
480-68330-e-1 DU	1	78	0.0207	0.0823	7.19e-3	10/1/2014@7:31:53 PM	
480-68330-e-1 MS	1	79	1.06	3.22	0.340	10/1/2014@7:33:00 PM	
480-68330-e-2	1	27	0.0272	0.104	9.27e-3	10/1/2014@7:34:06 PM	
CCV	1	S11	1.47	4.41	0.470	10/1/2014@7:35:13 PM	
Known Conc:			0.00				
CCB	1	S10	3.13e-3	0.0240	1.58e-3	10/1/2014@7:36:19 PM	
Known Conc:			0.00				
MB	1	S10	4.17e-3	0.0284	1.91e-3	10/1/2014@7:37:25 PM	
Known Conc:			1.50				
LCS	1	S11	1.52	4.57	0.486	10/1/2014@7:38:33 PM	
Known Conc:			100				
480-68331-e-2	1	28	7.36e-3	0.0327	2.93e-3	10/1/2014@7:39:39 PM	
480-68331-e-3	1	29	4.01e-3	0.0203	1.86e-3	10/1/2014@7:40:44 PM	
480-68331-e-4	1	30	7.88e-3	0.0462	3.09e-3	10/1/2014@7:41:50 PM	
480-68331-e-5	1	31	3.83e-3	0.0264	1.80e-3	10/1/2014@7:42:58 PM	
480-68331-e-6	1	32	5.05e-3	0.0284	2.19e-3	10/1/2014@7:44:05 PM	
480-68332-e-1	1	33	5.73e-3	0.0316	2.41e-3	10/1/2014@7:45:12 PM	
480-68332-e-1 MS	1	80	1.08	3.25	0.345	10/1/2014@7:46:19 PM	
480-68332-e-2	1	34	5.19e-3	0.0354	2.23e-3	10/1/2014@7:47:26 PM	
CCV	1	S11	1.50	4.52	0.481	10/1/2014@7:48:32 PM	
Known Conc:			0.00				
CCB	1	S10	5.57e-4	3.51e-4	7.54e-4	10/1/2014@7:49:39 PM	
Known Conc:			100				
480-68333-f-2	1	81	0.0158	0.0656	5.63e-3	10/1/2014@7:50:45 PM	
480-68334-e-5	1	82	8.04e-3	0.0413	3.14e-3	10/1/2014@7:51:52 PM	
480-68334-e-5 MS	1	83	0.838	2.56	0.268	10/1/2014@7:52:59 PM	
480-68334-e-5 MSD	1	84	0.892	2.73	0.285	10/1/2014@7:54:06 PM	
480-68377-g-1	1	50	0.0149	0.0595	5.34e-3	10/1/2014@7:55:13 PM	
480-68377-g-2	1	51	0.0169	0.0709	5.99e-3	10/1/2014@7:56:19 PM	
480-68329-b-1	1	23	0.0518	0.175	0.0171	10/1/2014@7:57:26 PM	

480-68329-b-1	1	23	0.0510	0.174	0.0169	10/1/2014@7:58:33 PM	
480-68333-f-2	1	81	0.0163	0.0632	5.79e-3	10/1/2014@7:59:39 PM	
CCV	1	S11	1.49	4.41	0.477	10/1/2014@8:00:46 PM	
Known Conc:			0.00				
CCB	1	S10	5.22e-3	0.0279	2.24e-3	10/1/2014@8:01:52 PM	
Known Conc:			0.00				

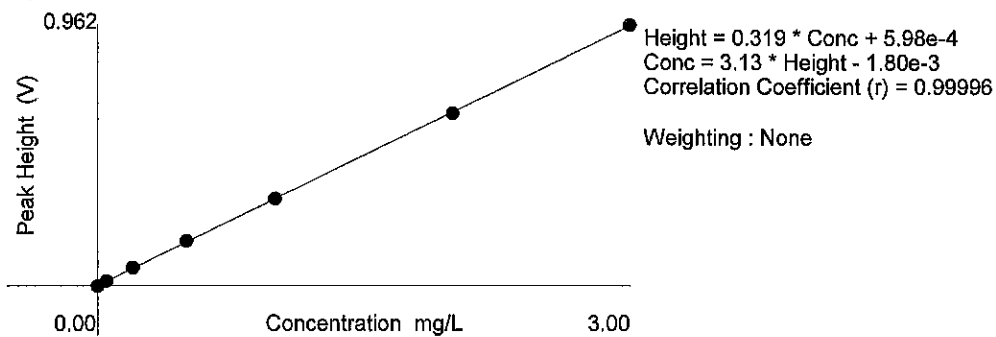
Analyte Properties Table for : OM_10-1-2014_07-07-22PM.OMN

Property	Channel 2 Nitrite
Concentration Units	mg/L
Calibration Fit Type	First Order
Clear Calibration	Yes
Force through Zero	No
Calibration Weighting	None
Auto Dilution Trigger	No
% of High Standard	110
Quik Chem Method	10-107-04-1-J
Chemistry	Direct/Bipolar
Calibration by Height	Yes
Inject to Peak Start	5
Peak Base Width	49

Table : 1 (Nitrite)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	3.00	1	9.03	0.962	0.0	-0.3	3.01	10/1/2014	4:06:34 PM
2	2.00	1	5.98	0.634	0.0	0.9	1.98	10/1/2014	4:07:41 PM
3	1.00	1	3.09	0.320	0.0	0.1	0.999	10/1/2014	4:08:47 PM
4	0.500	1	1.55	0.163	0.0	-1.8	0.509	10/1/2014	4:09:54 PM
5	0.200	1	0.643	0.0661	0.0	-2.5	0.205	10/1/2014	4:11:02 PM
6	0.0500	1	0.181	0.0169	0.0	-1.9	0.0510	10/1/2014	4:12:09 PM
7	0.00	1	-8.20e-3	-1.70e-3			-7.13e-3	10/1/2014	4:13:16 PM

Figure : 1 (Nitrite)



Historical Data Summary Report

For Batch 205526

Lab Sample ID	Client Sample	Method	Analyte	Data				Result	Fail 3-Sigma Limits	Fail Client Limits
				Prep Type	Unit	Points	Dilution			
480-68306-I-1	MW-13A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-68306-I-2	MW-16A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	1	1.0	0.41	☒ 0.61 - 0.61	☒ 0.488 - 0.732 Cont
480-68306-I-3	MW-13B	353.2	Nitrate Nitrite as N	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-68306-I-4	MW-17A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	2	1.0	ND	☐ 0-0.34	☒ 0.068 - 0.102 w/ps BL
480-68306-I-5	MW-18A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	2	1.0	ND	☒ 0.071 - 0.074	☒ 0.058 - 0.087 Cont
480-68306-I-6	MW-18B	353.2	Nitrate Nitrite as N	Total/NA	mg/L	2	1.0	ND	☐ 0-0	☐ 0-0
480-68308-D-1	MW-2	353.2	Nitrate Nitrite as N	Total/NA	mg/L	8	1.0	0.020	☐ 0-0.094	☐ 0-0.079
480-68308-D-2	MW-12	353.2	Nitrate Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0.242	☐ 0-0.252
480-68308-D-3	MW-17	353.2	Nitrate Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0.066	☐ 0-0.053
480-68308-D-4	MW-11	353.2	Nitrate Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0.11	☐ 0-0.09
480-68308-D-5	MW-13	353.2	Nitrate Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0.239	☐ 0-0.252
480-68329-B-1 ^5	DSD10	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N3	5	5.0	9.4	☐ 0.689 - 16.044	☐ 6.693 - 10.04
480-68329-B-2 ^10	DSU09	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N3	10	10.0	8.1	☒ 11.733 - 21.801	☒ 13.413 - 20.12 ok w/ps BL
480-68330-E-1 ^5	SW-1	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	5	5.0	6.9	☐ 0-9.657	☒ 3.467 - 5.2 ok w/ps BL
480-68330-E-2 ^2	SW-2	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	2	2.0	4.8	☐ 0-8.573	☒ 3.067 - 4.6 ok w/ps BL
480-68331-E-2	DUP	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	1	1.0	0.11	☐ 0-0.624	☒ 0.213 - 0.32 ok w/ps BL
480-68331-E-3	MW-20S	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	1	1.0	0.31	☐ 0-0.614	☒ 0.205 - 0.308 ok w/ps BL
480-68331-E-4	MW-3S	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	1	1.0	0.12	☐ 0-0.311	☒ 0.077 - 0.116 ok w/ps BL
480-68331-E-5	MW-18S	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	1	1.0	0.15	☐ 0-3.67	☒ 0.56 - 0.84 ok w/ps BL
480-68331-E-6 ^2	MW-19S	353.2	Nitrate-Nitrite	Total/NA	mg/L as N3	2	2.0	3.3	☒ 1.032 - 3.168	☒ 1.68 - 2.52 Cont
480-68332-E-1	MW-13S	353.2	Nitrate-Nitrite	Total/NA	mg/L as N1	1	1.0	0.74	☒ 0.15 - 0.15	☒ 0.12 - 0.18 Cont
480-68332-E-2	MW-4	353.2	Nitrate-Nitrite	Total/NA	mg/L as N1	1	1.0	0.11	☒ 0-0	☒ 0-0 Cont
480-68333-F-1	HT-1	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N1	1	1.0	ND	☐ 0-0	☐ 0-0
480-68333-F-2 ^10	HT-2	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N1	10	10.0	ND	☒ 20 - 20	☒ 16 - 24 Cont
480-68334-E-1 ^10	MW204-DUP	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-2	MW203	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-3	MW203A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0.347	☐ 0-0.324
480-68334-E-4	MW204	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-5	MW205	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0.11	☐ 0-0.103
480-68334-E-6	MW214A	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0.144	☐ 0-0.113
480-68334-E-7	MW215	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0.073	☐ 0-0.068
480-68334-E-9	MW202	353.2	Nitrate Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68377-G-1	SP-A	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1	1.0	0.14	☐ 0-1.298	☐ 0-0.984
480-68377-G-2	SP-B	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1	1.0	0.36	☐ 0-1.626	☐ 0-1.32
480-68380-H-1	TRIP BLANK	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-2	DUPLICATE @ MW353.2	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N1	1	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-3	MW-11	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-4	MW-3	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1	1.0	ND	☐ 0-0.2	☐ 0-0.168

Historical Data Summary Report

For Batch 205526

Lab Sample ID	Client Sample	Method	Analyte	Data					Result	Fail 3-Sigma Limits	Fail Client Limits
				Prep Type	Unit	Points	Dilution				
480-68380-H-5	MW-5	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1.0	1.0		ND	☐ 0 - 0.108	☐ 0 - 0.082
480-68380-H-6	MW-9	353.2	Nitrate Nitrite as N	Total/NA	mg/L as N8	1.0	1.0		ND	☐ 0 - 0	☐ 0 - 0

Historical Data Summary Report

For Batch 205542

Lab Sample ID	Client Sample	Method	Analyte	Data				Result	Fail 3-Sigma Limits	Fail Client Limits
				Prep Type	Unit	Points	Dilution			
480-68306-I-2	MW-16A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	1	1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68329-B-1	DSD10	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N3		1.0	0.050	☐ 0 - 0.162	☒ 0.039 - 0.058 <i>conf</i>
480-68329-B-2	DSU09	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N3		1.0	ND	☐ 0 - 0.215	☒ 0.053 - 0.079 <i>OK w/ 2581</i>
480-68330-E-1	SW-1	353.2_Nitrite	Nitrite	Total/NA	mg/L as N5		1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68330-E-2	SW-2	353.2_Nitrite	Nitrite	Total/NA	mg/L as N5		1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68331-E-2	DUP	353.2_Nitrite	Nitrite	Total/NA	mg/L as N3		1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68331-E-3	MW-20S	353.2_Nitrite	Nitrite	Total/NA	mg/L as N3		1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68331-E-4	MW-3S	353.2_Nitrite	Nitrite	Total/NA	mg/L as N3		1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68331-E-5	MW-18S	353.2_Nitrite	Nitrite	Total/NA	mg/L as N3		1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68331-E-6	MW-19S	353.2_Nitrite	Nitrite	Total/NA	mg/L as N3		1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68332-E-1	MW-13S	353.2_Nitrite	Nitrite	Total/NA	mg/L as N1		1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68332-E-2	MW-4	353.2_Nitrite	Nitrite	Total/NA	mg/L as N1		1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68333-F-2	HT-2	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N1		1.0	ND	☒ 8.5 - 8.5	☒ 6.8 - 10.2 <i>conf</i>
480-68334-E-5	MW205	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0 - 0.121	☐ 0 - 0.113
480-68377-G-1	SP-A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8		1.0	ND	☐ 0 - 0	☐ 0 - 0
480-68377-G-2	SP-B	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8		1.0	ND	☐ 0 - 0	☐ 0 - 0

Historical Data Summary Report

For Batch 205564

Lab Sample ID	Client Sample	Method	Analyte	Data				Result	Fail 3-Sigma Limits	Fail Client Limits
				Prep Type	Unit	Points	Dilution			
480-68306-I-1	MW-13A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-68306-I-3	MW-13B	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	1	1.0	ND	☐ 0-0	☐ 0-0
480-68306-I-4	MW-17A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	2	1.0	ND	☐ 0-0.2	☒ 0.06 <i>or ND</i>
480-68306-I-5	MW-18A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	2	1.0	ND	☐ 0-0	☐ 0-0
480-68306-I-6	MW-18B	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	2	1.0	ND	☐ 0-0	☐ 0-0
480-68308-D-1	MW-2	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0
480-68308-D-2	MW-12	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0.159	☐ 0-0.168
480-68308-D-3	MW-17	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0
480-68308-D-4	MW-11	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0.182	☐ 0-0.12
480-68308-D-5	MW-13	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	8	1.0	ND	☐ 0-0	☐ 0-0
480-68333-F-1	HT-1	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N1	1.0	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-1	MW204-DUP	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-2	MW203	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-3	MW203A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-4	MW204	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-6	MW214A	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68334-E-7	MW215	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0.18	☐ 0-0.168
480-68334-E-9	MW202	353.2_Nitrite	Nitrite as N	Total/NA	mg/L	6	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-1	TRIP BLANK	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8	1.0	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-2	DUPLICATE @ MW353.2_Nitrite	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N1	1.0	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-3	MW-11	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8	1.0	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-4	MW-3	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8	1.0	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-5	MW-5	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8	1.0	1.0	ND	☐ 0-0	☐ 0-0
480-68380-H-6	MW-9	353.2_Nitrite	Nitrite as N	Total/NA	mg/L as N8	1.0	1.0	ND	☐ 0-0	☐ 0-0

10/30/2014

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 255075 Batch Start Date: 10/10/14 12:44 Batch Analyst: Leye, MamadouBatch Method: 1664A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	Final pH	InitialAmount	FinalAmount	PrepDate	PrepTime
MB 460-255075/1		1664A		2.0 SU	2.0 SU	1000 mL	1000 mL	10/09/14	09:00
LCS 460-255075/2		1664A		2.0 SU	2.0 SU	1000 mL	1000 mL	10/09/14	09:00
LCSD 460-255075/3		1664A		2.0 SU	2.0 SU	1000 mL	1000 mL	10/09/14	09:00
460-83615-I-2	Effluent - Grab	1664A	T	2.0 SU	2.0 SU	955 mL	1000 mL	10/09/14	09:00
460-83615-J-2 MS	Effluent - Grab	1664A	T	2.0 SU	2.0 SU	960 mL	1000 mL	10/09/14	09:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	RECTUBE#	ReceiverTube	HEMWgt1	HEMWgt2	Weight2OK	SGTRECTUBE#
MB 460-255075/1		1664A		1	6.4014 g	6.4020 g	6.4021 g	Pass 0.0005g	1
LCS 460-255075/2		1664A		2	6.4536 g	6.4911 g	6.4914 g	Pass 0.0005g	2
LCSD 460-255075/3		1664A		3	6.4282 g	6.4635 g	6.4638 g	Pass 0.0005g	3
460-83615-I-2	Effluent - Grab	1664A	T	5	6.3597 g	6.3632 g	6.3632 g	Pass 0.0005g	4
460-83615-J-2 MS	Effluent - Grab	1664A	T	6	6.4412 g	6.4792 g	6.4792 g	Pass 0.0005g	5

Lab Sample ID	Client Sample ID	Method Chain	Basis	SGTRecTube	SGTWgt1	SGTWgt2	SGTWeightOne%Diff	Residue	Residue2
MB 460-255075/1		1664A		6.4014 g	6.4018 g	6.4018 g	Pass 0.0005g %	0.0006 g	0.0007 g
LCS 460-255075/2		1664A		6.4538 g	6.4701 g	6.4703 g	Pass 0.0005g %	0.0375 g	0.0378 g
LCSD 460-255075/3		1664A		6.4280 g	6.4441 g	6.4440 g	Pass 0.0005g %	0.0353 g	0.0356 g
460-83615-I-2	Effluent - Grab	1664A	T	6.3495 g	6.3518 g	6.3516 g	Pass 0.0005g %	0.0035 g	0.0035 g
460-83615-J-2 MS	Effluent - Grab	1664A	T	6.4414 g	6.4589 g	6.4588 g	Pass 0.0005g %	0.038 g	0.038 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	SGTResidue1	SGTResidue2	CalcMsg	WT1664LCS 00005		
MB 460-255075/1		1664A		0.0004 g	0.0004 g	OK			
LCS 460-255075/2		1664A		0.0163 g	0.0165 g	OK	1000 mL		
LCSD 460-255075/3		1664A		0.0161 g	0.016 g	OK	1000 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.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 255075 Batch Start Date: 10/10/14 12:44 Batch Analyst: Leye, MamadouBatch Method: 1664A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	SGTResidue1	SGTResidue2	CalcMsg	WT1664LCS 00005		
460-83615-I-2	Effluent - Grab	1664A	T	0.0023 g	0.0021 g	OK			
460-83615-J-2 MS	Effluent - Grab	1664A	T	0.0175 g	0.0174 g	OK	1000 mL		

Batch Notes	
Acetone Lot #	JT Baker lot # 55353
Acid used for pH adjust Lot #	1:1 H2SO4 : JT Baker Batch # 56441
Balance ID	29
Cal check after 1st Weighing - 1g	1.0001 g
Cal check after 1st Weighing - 2 mg	0.0022 g
Cal check after 2nd Weighing - 1g	1.0001 g
Cal check after 2nd Weighing - 2 mg	0.0021 g
Cal check before 1st Weighing - 1g	1.0002 g
Cal check before 1st Weighing - 2 mg	0.0022 g
Cal check before 2nd Weighing - 1g	0.9998 g
Cal check before 2nd Weighing - 2 mg	0.0020 g
Evaporator Temperature	60 Celsius
Hexane Lot#	JT Baker lot # 59690
Methanol Lot Number	Baker lot# H45E36
Na2SO4 Lot Number	Environmental Express/193774
Nominal Amount Used	1000 mL
Perform Calculation (0=No, 1=Yes)	1
Silica Gel Lot Number	Baker/J22337
Speedvap ID#	35315
Weight Set ID	1000050792

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 253177 Batch Start Date: 10/02/14 08:33 Batch Analyst: Staib, Patricia LBatch Method: SM 2540B Batch End Date: 10/03/14 14:29

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	CrucibleID	TareWeight	Weight1	Weight2
MB 460-253177/1		SM 2540B		100 mL	100 mL	MB	70.2508 g	70.2509 g	70.2512 g
LCSSRM 460-253177/2		SM 2540B		100 mL	100 mL	PTLCS	70.8933 g	70.9246 g	70.9244 g
460-83615-F-2	Effluent - Grab	SM 2540B	T	100 mL	100 mL	AB	64.6847 g	64.8451 g	64.8452 g
460-83615-F-2 DU	Effluent - Grab	SM 2540B	T	100 mL	100 mL	NE	65.9469 g	66.1114 g	66.1112 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	Residue3	CalcMsg
MB 460-253177/1		SM 2540B		0 g	PASS	0.0001000000000 0332 g	0.0003999999999 99068 g	NaN g	OK
LCSSRM 460-253177/2		SM 2540B		0 g	PASS	0.0313000000000 017 g	0.0311000000000 092 g	NaN g	OK
460-83615-F-2	Effluent - Grab	SM 2540B	T	0 g	PASS	0.1603999999999 96 g	0.1604999999999 99 g	NaN g	OK
460-83615-F-2 DU	Effluent - Grab	SM 2540B	T	0 g	PASS	0.1645000000000 04 g	0.1642999999999 97 g	NaN g	OK

Lab Sample ID	Client Sample ID	Method Chain	Basis	WTtsLCS 00064					
MB 460-253177/1		SM 2540B							
LCSSRM 460-253177/2		SM 2540B		100 mL					
460-83615-F-2	Effluent - Grab	SM 2540B	T						
460-83615-F-2 DU	Effluent - Grab	SM 2540B	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.

SM 2540B

Page 1 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 253177 Batch Start Date: 10/02/14 08:33 Batch Analyst: Staib, Patricia LBatch Method: SM 2540B Batch End Date: 10/03/14 14:29

Batch Notes	
Constant Weight (WT2) Date/Time in Oven	10-3-14@8:15
Constant Weight (WT2) Date/Time Out	10-3-14@9:18
Constant Weight (WT2) Temp In	104 Celsius
Constant Weight (WT2) Temp Out	104 Celsius
Uncorrected CW (Wt2) Temp In	105 Celsius
Uncorrected CW (Wt2) Temp Out	105 Celsius
Nominal Amount Used	100 mL
Oven ID	36221
Perform Calculation (0=No, 1=Yes)	1
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 Celsius

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 253182 Batch Start Date: 10/02/14 08:49 Batch Analyst: Staib, Patricia LBatch Method: SM 2540D Batch End Date: 10/03/14 08:36

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	CrucibleID	TareWeight	InitialAmount	Weight1	Weight2
MB 460-253182/1		SM 2540D		100 mL	D56B4 0.1188	0.1188 g	1000 mL	0.1188 g	0.1189 g
LCSSRM 460-253182/2		SM 2540D		100 mL	D56B5 0.1178	0.1178 g	50 mL	0.1214 g	0.1210 g
460-83673-B-1 DU		SM 2540D	T	100 mL	D56B7 0.1170	0.1170 g	25 mL	0.1259 g	0.1262 g
460-83615-H-2	Effluent - Grab	SM 2540D	T	100 mL	D56BA 0.1196	0.1196 g	1000 mL	0.1228 g	0.1231 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	Weight3	WeightOne%Diff	Residue	Residue2	ResDishWt	DishWeight
MB 460-253182/1		SM 2540D		0 g	PASS <0.5mg	0 g	0.0001 g	0.1189 g	0.1188 g
LCSSRM 460-253182/2		SM 2540D		0 g	PASS <0.5mg	0.0036 g	0.0032 g	0.121 g	0.1178 g
460-83673-B-1 DU		SM 2540D	T	0 g	PASS <0.5mg	0.0089 g	0.0092 g	0.1262 g	0.117 g
460-83615-H-2	Effluent - Grab	SM 2540D	T	0 g	PASS <0.5mg	0.0032 g	0.0035 g	0.1231 g	0.1196 g

Lab Sample ID	Client Sample ID	Method Chain	Basis	WTtssLCS 00052					
MB 460-253182/1		SM 2540D							
LCSSRM 460-253182/2		SM 2540D		50 mL					
460-83673-B-1 DU		SM 2540D	T						
460-83615-H-2	Effluent - Grab	SM 2540D	T						

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

SM 2540D

Page 1 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 253182 Batch Start Date: 10/02/14 08:49 Batch Analyst: Staib, Patricia LBatch Method: SM 2540D Batch End Date: 10/03/14 08:36

Batch Notes	
Balance ID	27
Constant Weight (WT2) Date/Time in Oven	10-2-14@12:36
Constant Weight (WT2) Date/Time Out	10-2-14@13:45
Constant Weight (WT2) Temp In	104 Celsius
Constant Weight (WT2) Temp Out	104 Celsius
Uncorrected CW (Wt2) Temp In	107 Celsius
Uncorrected CW (Wt2) Temp Out	107 Celsius
Filter Paper Lot Number	EnviroExpress 4255R2
Nominal Amount Used	100 mL
Oven ID	36233
Perform Calculation (0=No, 1=Yes)	1
Uncorrected In Temperature	107 Celsius
Uncorrected Out Temperature	107 Celsius

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 254589 Batch Start Date: 10/08/14 11:03 Batch Analyst: Cabanganan, MariaBatch Method: SM 4500 Cl- E Batch End Date: 10/08/14 14:59

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WTchlLCS 00057	WTchlSP1 00018	WTchlss1 00012		
ICV 460-254589/1		SM 4500 Cl- E		50 mL			2.5 mL		
CCV 460-254589/3		SM 4500 Cl- E		50 mL			2.5 mL		
LCSSRM 460-254589/6		SM 4500 Cl- E		50 mL	50 mL				
CCV 460-254589/15		SM 4500 Cl- E		50 mL			2.5 mL		
CCV 460-254589/21		SM 4500 Cl- E		50 mL			2.5 mL		
460-83700-G-4 MS		SM 4500 Cl- E	T	50 mL		2.5 mL			
460-83700-G-4 MSD		SM 4500 Cl- E	T	50 mL		2.5 mL			
CCV 460-254589/26		SM 4500 Cl- E		50 mL			2.5 mL		
CCV 460-254589/28		SM 4500 Cl- E		50 mL			2.5 mL		
CCV 460-254589/31		SM 4500 Cl- E		50 mL			2.5 mL		

Batch Notes	
Color Reagent ID Number	C-1044-14 exp. 01/01/15
Filter Paper Lot Number	CCV: A(00840)14 exp. 10/12/14
Pipette ID	Cal. curve: A(00833-00839)14 exp. 10/12/14

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.

SM 4500 Cl- E

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 252822 Batch Start Date: 09/30/14 21:37 Batch Analyst: Pierre, Philippe XBatch Method: I 1230 Batch End Date: 09/30/14 21:47

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	WThcrIM2 00043	WThcrIM4 00042	WThcrwLCS 00053		
IC 460-252822/1		I 1230		50 mL					
IC 460-252822/2		I 1230		50 mL	0.05 mL				
IC 460-252822/3		I 1230		50 mL	0.25 mL				
IC 460-252822/4		I 1230		50 mL	0.375 mL				
IC 460-252822/5		I 1230		50 mL	0.5 mL				
IC 460-252822/6		I 1230		50 mL	1 mL				
ICV 460-252822/7		I 1230		50 mL		0.375 mL			
ICB 460-252822/8		I 1230		50 mL					
MB 460-252822/9		I 1230		50 mL					
LCSSRM 460-252822/10		I 1230		50 mL			5 mL		
460-83615-F-2	Effluent - Grab	I 1230	T	50 mL					
460-83615-F-2	Effluent - Grab	I 1230	T	50 mL					
DU 460-83615-F-2	Effluent - Grab	I 1230	T	50 mL	0.15 mL				
MS CCV 460-252822/14		I 1230		50 mL		0.375 mL			
CCB 460-252822/15		I 1230		50 mL					

Batch Notes	
Color Reagent ID Number	C-0995-14 Exp.: 10/18/2014
Sulfuric Acid Reagent ID Number	C-0578-14 Exp.: 11/21/2014

Basis	Basis Description
T	Total/NA

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

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-83615-1

SDG No.: _____

Batch Number: 254188 Batch Start Date: 10/01/14 14:36 Batch Analyst: Staib, Patricia LBatch Method: SM 5210B Batch End Date: 10/06/14 13:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	ResidualChloChe ck	InitialAmount	FinalAmount	CBODInstResult	IsUSB
MB 460-254188/1		SM 5210B				300 mL	300 mL	0.02 mg/L	1
LCS 460-254188/2		SM 5210B				8 mL	8 mL	94.9 mg/L	
460-83615-F-1	Effluent - Composite	SM 5210B	T	~7	N	100 mL	300 mL	0.5 mg/L	
460-83615-F-1 DU	Effluent - Composite	SM 5210B	T			100 mL	300 mL	0.5 mg/L	

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	WTbodLCS 00028				
MB 460-254188/1		SM 5210B		OK					
LCS 460-254188/2		SM 5210B		OK	8 mL				
460-83615-F-1	Effluent - Composite	SM 5210B	T	OK					
460-83615-F-1 DU	Effluent - Composite	SM 5210B	T	OK					

Batch Notes	
Alkali-azide Reagent ID Number	Hach A 3155B exp 1/17
Sulfuric Acid Lot Number	Mscron 56441
Manganous Sulfate Reagent ID Number	Hach A 4171 exp 5/19
Sodium Thiosulfate Reagent ID Number	Fisher lot 138109 0.0236N std exp 10-7-14
Nitrification Inhibitor ID	Hach A 4048 exp 2/17
Nutrient Buffer Pillow Lot #	Hach A 4048 exp 3/19
Perform Calculation (0=No, 1=Yes)	1
Seed Lot	InterLab lot 281405-1-0627-8 exp 5/16
Starch Lot Number	4040814 exp 4/15
Starch Vendor	Aqua Solutions

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.

SM 5210B

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Batch Number: 206289 Batch Start Date: 10/07/14 05:54 Batch Analyst: Wolfe, Larry ABatch Method: 351.2 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	TKN1000ppmSTD 00003			
MB 480-206289/1		351.2, 351.2 ASP		25 mL	25 mL				
LCS 480-206289/2		351.2, 351.2 ASP		25 mL	25 mL	0.0625 mL			
460-83615-C-1	Effluent - Composite	351.2, 351.2 ASP	T	25 mL	25 mL				
460-83615-C-1 DU	Effluent - Composite	351.2, 351.2 ASP	T	25 mL	25 mL				
480-68448-D-1 MS		351.2, 351.2 ASP	T	25 mL	25 mL	0.025 mL			

Batch Notes	

Basis	Basis Description
T	Total/NA

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

351.2_ASP

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Batch Number: 206465 Batch Start Date: 10/07/14 15:33 Batch Analyst: Thomas, Christine LBatch Method: 351.2_ASP Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	TKN CCV 00026				
CCV 480-206465/13		351.2_ASP		2 mL	# mL				
CCB 480-206465/14		351.2_ASP		2 mL					
LCS 480-206289/2-A		351.2_ASP		2 mL					
CCV 480-206465/19		351.2_ASP		2 mL	# mL				
CCB 480-206465/20		351.2_ASP		2 mL					
CCV 480-206465/21		351.2_ASP		2 mL	# mL				
CCB 480-206465/22		351.2_ASP		2 mL					
MB 480-206289/1-A		351.2_ASP		2 mL					
CCV 480-206465/33		351.2_ASP		2 mL	# mL				
CCB 480-206465/34		351.2_ASP		2 mL					
CCV 480-206465/88		351.2_ASP		2 mL	# mL				
CCB 480-206465/89		351.2_ASP		2 mL					
460-83615-C-1-A	Effluent - Composite	351.2_ASP	T	2 mL					
460-83615-C-1-B DU	Effluent - Composite	351.2_ASP	T	2 mL					
480-68448-D-1-B MS		351.2_ASP	T	2 mL					
CCV 480-206465/100		351.2_ASP		2 mL	# mL				
CCB 480-206465/101		351.2_ASP		2 mL					

Batch Notes	

Basis	Basis Description
T	Total/NA

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

351.2_ASP

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Batch Number: 205542 Batch Start Date: 10/01/14 19:08 Batch Analyst: Schrader, RobertBatch Method: 353.2 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Nitrite CCV 00026	WC_NO2INT_WRK 00170		
CCV 480-205542/1		353.2		5 mL	5 mL	5 mL			
CCB 480-205542/2		353.2		5 mL	5 mL				
MB 480-205542/3		353.2		5 mL	5 mL				
LCS 480-205542/4		353.2		5 mL	5 mL	5 mL			
460-83615-A-1	Effluent - Composite	353.2	T	5 mL	5 mL				
480-68310-C-7 MS		353.2	T	5 mL	5 mL		50 uL		
CCV 480-205542/13		353.2		5 mL	5 mL	5 mL			
CCB 480-205542/14		353.2		5 mL	5 mL				
480-68330-E-1 DU		353.2	T	5 mL	5 mL				
CCV 480-205542/25		353.2		5 mL	5 mL	5 mL			
CCB 480-205542/26		353.2		5 mL	5 mL				
MB 480-205542/27		353.2		5 mL	5 mL				
LCS 480-205542/28		353.2		5 mL	5 mL	5 mL			
CCV 480-205542/37		353.2		5 mL	5 mL	5 mL			
CCB 480-205542/38		353.2		5 mL	5 mL				
480-68334-E-5 MSD		353.2	T	5 mL	5 mL		50 uL		
CCV 480-205542/48		353.2		5 mL	5 mL	5 mL			
CCB 480-205542/49		353.2		5 mL	5 mL				

Batch Notes	

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.

353.2

Page 1 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Batch Number: 205542 Batch Start Date: 10/01/14 19:08 Batch Analyst: Schrader, RobertBatch Method: 353.2 Batch End Date: _____

Basis	Basis Description
T	Total/NA

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

353.2

Page 2 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Batch Number: 205526 Batch Start Date: 10/01/14 16:52 Batch Analyst: Schrader, RobertBatch Method: SM 4500 NO3 F Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Nitrate CCV 00026	WC_NO3INT_WRK 00187		
CCV 480-205526/2		SM 4500 NO3 F		5 mL	5 mL	5 mL			
CCB 480-205526/3		SM 4500 NO3 F		5 mL	5 mL				
MB 480-205526/4		SM 4500 NO3 F		5 mL	5 mL				
LCS 480-205526/5		SM 4500 NO3 F		5 mL	5 mL	5 mL			
460-83615-A-1	Effluent - Composite	SM 4500 NO3 F	T	5 mL	5 mL				
480-68306-I-6 MS		SM 4500 NO3 F	T	5 mL	5 mL		50 uL		
CCV 480-205526/14		SM 4500 NO3 F		5 mL	5 mL	5 mL			
CCB 480-205526/15		SM 4500 NO3 F		5 mL	5 mL				
480-68310-C-3 DU		SM 4500 NO3 F	T	5 mL	5 mL				
CCV 480-205526/26		SM 4500 NO3 F		5 mL	5 mL	5 mL			
CCB 480-205526/27		SM 4500 NO3 F		5 mL	5 mL				
CCV 480-205526/50		SM 4500 NO3 F		5 mL	5 mL	5 mL			
CCB 480-205526/51		SM 4500 NO3 F		5 mL	5 mL				
MB 480-205526/52		SM 4500 NO3 F		5 mL	5 mL				
LCS 480-205526/53		SM 4500 NO3 F		5 mL	5 mL	5 mL			
CCV 480-205526/62		SM 4500 NO3 F		5 mL	5 mL	5 mL			
CCB 480-205526/63		SM 4500 NO3 F		5 mL	5 mL				
480-68334-E-5 MSD		SM 4500 NO3 F	T	5 mL	5 mL		50 uL		
CCV 480-205526/74		SM 4500 NO3 F		5 mL	5 mL	5 mL			
CCB 480-205526/75		SM 4500 NO3 F		5 mL	5 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.

SM 4500 NO3 F

Page 1 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 460-83615-1

SDG No.: _____

Batch Number: 205526 Batch Start Date: 10/01/14 16:52 Batch Analyst: Schrader, RobertBatch Method: SM 4500 NO3 F Batch End Date: _____

Batch Notes	

Basis	Basis Description
T	Total/NA

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

SM 4500 NO3 F

Page 2 of 2

Subcontract Data

Shipping and Receiving Documents

Page 1 of 2

**SHORT
HOLD**

Page 2 of 2

Special Instructions OH. 6.50 @ 22.2%

Water Metals Filtered (Yes/No)?

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
TAL-0016 (0408)

Job Number:

Number of Coolers:

IR Gun #

Cooler Temperatures

COOLERS		COOLERS	
COOLER #	TEMP °C	COOLER #	TEMP °C
Cooler #1: 28	47 °C	Cooler #4:	°C
Cooler #2:	°C	Cooler #5:	°C
Cooler #3:	°C	Cooler #6:	°C
		Cooler #7:	°C
		Cooler #8:	°C
		Cooler #9:	°C

[illegible]

If pH adjustments are required record the information below:

Sample No(s). adjusted:

Preservative Name/Conc.: _____

Volume of Preservative used (ml): _____

Lot # of Preservative(s)

Expiration Date: _____

*The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.
Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4, 06/09/2014

Initials: KS

Date: 7/30/14

Login Sample Receipt Checklist

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Login Number: 83615

List Source: TestAmerica Edison

List Number: 1

Creator: Meyers, Gary

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.7 ° C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Groundwater Treatment & Technology, Inc.

Job Number: 460-83615-1

Login Number: 83615

List Number: 2

Creator: Robison, Zachary J

List Source: TestAmerica Buffalo

List Creation: 10/01/14 02:45 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1 C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



Tuesday, June 17, 2014

Attn: Mr Daniel Binazeski
Ground/Water Treatment & Technology, LLC
627 Mt. Hope Road
Wharton, NJ 07885

Project ID: 520 W 28TH STREET
Sample ID#s: BG55240, BG55386

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

June 17, 2014

FOR: Attn: Mr Daniel Binazeski
Ground/Water Treatment & Technology, LLC
627 Mt. Hope Road
Wharton, NJ 07885

Sample Information

Matrix: GW DISCHARGE
Location Code: GWTT
Rush Request: Standard
P.O.#:

Custody Information

Collected by: DB
Received by: SW
Analyzed by: see "By" below

Date

06/10/14
06/10/14

Time

7:30
17:20

Laboratory Data

SDG ID: GBG55240
Phoenix ID: BG55240

Project ID: 520 W 28TH STREET
Client ID: EFFLUENT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Cadmium	< 0.001	0.001	mg/L	06/11/14	LK	E200.7
Copper	0.007	0.005	mg/L	06/11/14	LK	E200.7
Mercury	< 0.0002	0.0002	mg/L	06/11/14	RS	245.1
Nickel	0.016	0.001	mg/L	06/11/14	LK	E200.7
Lead	< 0.002	0.002	mg/L	06/11/14	LK	E200.7
Zinc	0.010	0.002	mg/L	06/11/14	LK	E200.7
Carbonaceous BOD	< 3.7	3.7	mg/L	06/10/14 19:30	CB/RM	SM5210B
Chloride	108	3.0	mg/L	06/11/14	MK	SM4500-CL-E
Flash Point	>200	200	degree F	06/11/14	I	SW1010
Chromium, Hexavalent	0.23	0.01	mg/L	06/10/14 17:40	O	S3500CRD
Ignitability	Passed	140	degree F	06/11/14	I	SW1030 10
Nitrite-N	0.30	0.01	mg/L	06/11/14 15:26	MK	E353.2
Nitrate-N	0.26	0.01	mg/L	06/11/14 15:26	MK	E353.2
pH	11.16	0.10	pH Units	06/11/14 09:28	BS/EG	4500-H B 1
Nitrogen Tot Kjeldahl	0.68	0.10	mg/L	06/12/14	WHM	E351.1
Total Nitrogen	1.24	0.10	mg/L	06/12/14	WHM	S4500NH3/300.0 1
O&G, Non-polar Material	< 1.4	1.4	mg/L	06/16/14	MSF	E1664A
Total Suspended Solids	< 5.0	5.0	mg/L	06/11/14	MN/RP	SM2540D
Total Solids	1000	10	mg/L	06/12/14	RP/KG	SM2540B
Mercury Digestion	Completed			06/11/14	I/I	245.1
PCB Extraction (2 Liter)	Completed			06/11/14	L	E608
Semi-Volatile Extraction	Completed			06/10/14	EN/K/K	E625
Total Metals Digestion	Completed			06/10/14	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.065	ug/L	06/12/14	AW	E608
PCB-1221	ND	0.065	ug/L	06/12/14	AW	E608
PCB-1232	ND	0.065	ug/L	06/12/14	AW	E608

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
PCB-1242	ND	0.065	ug/L	06/12/14	AW	E608
PCB-1248	ND	0.065	ug/L	06/12/14	AW	E608
PCB-1254	ND	0.065	ug/L	06/12/14	AW	E608
PCB-1260	ND	0.065	ug/L	06/12/14	AW	E608
PCB-1262	ND	0.065	ug/L	06/12/14	AW	E608
PCB-1268	ND	0.065	ug/L	06/12/14	AW	E608
<u>QA/QC Surrogates</u>						
% DCBP (Surrogate Rec)	90		%	06/12/14	AW	30 - 150 %
% TCMX (Surrogate Rec)	71		%	06/12/14	AW	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	06/11/14	HM	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	06/11/14	HM	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	06/11/14	HM	E624
1,1-Dichloroethane	ND	5.0	ug/L	06/11/14	HM	E624
1,1-Dichloroethene	ND	5.0	ug/L	06/11/14	HM	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	06/11/14	HM	E624
1,2-Dichloroethane	ND	5.0	ug/L	06/11/14	HM	E624
1,2-Dichloropropane	ND	5.0	ug/L	06/11/14	HM	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	06/11/14	HM	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	06/11/14	HM	E624
Benzene	ND	5.0	ug/L	06/11/14	HM	E624
Bromodichloromethane	ND	5.0	ug/L	06/11/14	HM	E624
Bromoform	ND	5.0	ug/L	06/11/14	HM	E624
Bromomethane	ND	5.0	ug/L	06/11/14	HM	E624
Carbon tetrachloride	ND	5.0	ug/L	06/11/14	HM	E624
Chlorobenzene	ND	5.0	ug/L	06/11/14	HM	E624
Chloroethane	ND	5.0	ug/L	06/11/14	HM	E624
Chloroform	ND	5.0	ug/L	06/11/14	HM	E624
Chloromethane	ND	5.0	ug/L	06/11/14	HM	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	06/11/14	HM	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	06/11/14	HM	E624
Dibromochloromethane	ND	5.0	ug/L	06/11/14	HM	E624
Ethylbenzene	ND	5.0	ug/L	06/11/14	HM	E624
m&p-Xylene	ND	5.0	ug/L	06/11/14	HM	E624
Methyl t-butyl ether (MTBE)	ND	5.0	ug/L	06/11/14	HM	E624
Methylene chloride	ND	5.0	ug/L	06/11/14	HM	E624
o-Xylene	ND	5.0	ug/L	06/11/14	HM	E624
Tetrachloroethene	ND	5.0	ug/L	06/11/14	HM	E624
Toluene	ND	5.0	ug/L	06/11/14	HM	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	06/11/14	HM	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	06/11/14	HM	E624
Trichloroethene	ND	5.0	ug/L	06/11/14	HM	E624
Trichlorofluoromethane	ND	5.0	ug/L	06/11/14	HM	E624
Vinyl chloride	ND	5.0	ug/L	06/11/14	HM	E624

<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	105		%	06/11/14	HM	70 - 130 %
% Bromofluorobenzene	96		%	06/11/14	HM	70 - 130 %
% Dibromofluoromethane	116		%	06/11/14	HM	70 - 130 %
% Toluene-d8	103		%	06/11/14	HM	70 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Base Neutrals & Acid Compounds						
1,2,4-Trichlorobenzene	ND	5.0	ug/L	06/12/14	DD	E625
1,2-Dichlorobenzene	ND	5.0	ug/L	06/12/14	DD	E625
1,2-Diphenylhydrazine	ND	5.0	ug/L	06/12/14	DD	E625
1,3-Dichlorobenzene	ND	5.0	ug/L	06/12/14	DD	E625
1,4-Dichlorobenzene	ND	5.0	ug/L	06/12/14	DD	E625
2,4,6-Trichlorophenol	ND	5.0	ug/L	06/12/14	DD	E625
2,4-Dichlorophenol	ND	5.0	ug/L	06/12/14	DD	E625
2,4-Dimethylphenol	ND	5.0	ug/L	06/12/14	DD	E625
2,4-Dinitrophenol	ND	5.0	ug/L	06/12/14	DD	E625
2,4-Dinitrotoluene	ND	5.0	ug/L	06/12/14	DD	E625
2,6-Dinitrotoluene	ND	5.0	ug/L	06/12/14	DD	E625
2-Chloronaphthalene	ND	5.0	ug/L	06/12/14	DD	E625
2-Chlorophenol	ND	5.0	ug/L	06/12/14	DD	E625
2-Nitrophenol	ND	5.0	ug/L	06/12/14	DD	E625
3,3-Dichlorobenzidine	ND	5.0	ug/L	06/12/14	DD	E625
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	06/12/14	DD	E625
4-Bromophenyl phenyl ether	ND	5.0	ug/L	06/12/14	DD	E625
4-Chloro-3-methylphenol	ND	5.0	ug/L	06/12/14	DD	E625
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	06/12/14	DD	E625
4-Nitrophenol	ND	5.0	ug/L	06/12/14	DD	E625
Acenaphthene	ND	5.0	ug/L	06/12/14	DD	E625
Acenaphthylene	ND	5.0	ug/L	06/12/14	DD	E625
Anthracene	ND	5.0	ug/L	06/12/14	DD	E625
Benz(a)anthracene	ND	5.0	ug/L	06/12/14	DD	E625
Benzidine	ND	5.0	ug/L	06/12/14	DD	E625
Benzo(a)pyrene	ND	5.0	ug/L	06/12/14	DD	E625
Benzo(b)fluoranthene	ND	5.0	ug/L	06/12/14	DD	E625
Benzo(ghi)perylene	ND	5.0	ug/L	06/12/14	DD	E625
Benzo(k)fluoranthene	ND	5.0	ug/L	06/12/14	DD	E625
Benzyl butyl phthalate	ND	5.0	ug/L	06/12/14	DD	E625
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	06/12/14	DD	E625
Bis(2-chloroethyl)ether	ND	5.0	ug/L	06/12/14	DD	E625
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	06/12/14	DD	E625
Bis(2-ethylhexyl)phthalate	ND	5.0	ug/L	06/12/14	DD	E625
Chrysene	ND	5.0	ug/L	06/12/14	DD	E625
Dibenz(a,h)anthracene	ND	5.0	ug/L	06/12/14	DD	E625
Diethyl phthalate	ND	5.0	ug/L	06/12/14	DD	E625
Dimethylphthalate	ND	5.0	ug/L	06/12/14	DD	E625
Di-n-butylphthalate	ND	5.0	ug/L	06/12/14	DD	E625
Di-n-octylphthalate	ND	5.0	ug/L	06/12/14	DD	E625
Fluoranthene	ND	5.0	ug/L	06/12/14	DD	E625
Fluorene	ND	5.0	ug/L	06/12/14	DD	E625
Hexachlorobenzene	ND	5.0	ug/L	06/12/14	DD	E625
Hexachlorobutadiene	ND	5.0	ug/L	06/12/14	DD	E625
Hexachlorocyclopentadiene	ND	5.0	ug/L	06/12/14	DD	E625
Hexachloroethane	ND	5.0	ug/L	06/12/14	DD	E625
Indeno(1,2,3-cd)pyrene	ND	5.0	ug/L	06/12/14	DD	E625
Isophorone	ND	5.0	ug/L	06/12/14	DD	E625

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Naphthalene	ND	5.0	ug/L	06/12/14	DD	E625
Nitrobenzene	ND	5.0	ug/L	06/12/14	DD	E625
N-Nitrosodimethylamine	ND	5.0	ug/L	06/12/14	DD	E625
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	06/12/14	DD	E625
N-Nitrosodiphenylamine	ND	5.0	ug/L	06/12/14	DD	E625
Pentachlorophenol	ND	5.0	ug/L	06/12/14	DD	E625
Phenanthrene	ND	5.0	ug/L	06/12/14	DD	E625
Phenol	ND	5.0	ug/L	06/12/14	DD	E625
Pyrene	ND	5.0	ug/L	06/12/14	DD	E625
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	59		%	06/12/14	DD	15 - 110 %
% 2-Fluorobiphenyl	75		%	06/12/14	DD	30 - 130 %
% 2-Fluorophenol	42		%	06/12/14	DD	15 - 110 %
% Nitrobenzene-d5	76		%	06/12/14	DD	30 - 130 %
% Phenol-d5	56		%	06/12/14	DD	15 - 110 %
% Terphenyl-d14	82		%	06/12/14	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

10 = This parameter is not certified by NY NELAC for this matrix.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

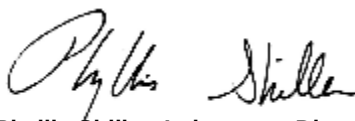
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

June 17, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

June 17, 2014

FOR: Attn: Mr. Joe Landyn
Groundwater Treatment Technology, Inc.
39 River Street
Millbury MA 01527

Sample Information

Matrix: WATER
Location Code: GWTT
Rush Request: Standard
P.O.#:

Custody Information

Collected by: DB
Received by: LPB
Analyzed by: see "By" below

Date

06/10/14
06/10/14

Time

0:00
17:20

Laboratory Data

SDG ID: GBG55240
Phoenix ID: BG55386

Project ID:
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
<u>Volatiles</u>						
1,1,1-Trichloroethane	ND	5.0	ug/L	06/11/14	HM	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	06/11/14	HM	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	06/11/14	HM	E624
1,1-Dichloroethane	ND	5.0	ug/L	06/11/14	HM	E624
1,1-Dichloroethene	ND	5.0	ug/L	06/11/14	HM	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	06/11/14	HM	E624
1,2-Dichloroethane	ND	5.0	ug/L	06/11/14	HM	E624
1,2-Dichloropropane	ND	5.0	ug/L	06/11/14	HM	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	06/11/14	HM	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	06/11/14	HM	E624
Benzene	ND	5.0	ug/L	06/11/14	HM	E624
Bromodichloromethane	ND	5.0	ug/L	06/11/14	HM	E624
Bromoform	ND	5.0	ug/L	06/11/14	HM	E624
Bromomethane	ND	5.0	ug/L	06/11/14	HM	E624
Carbon tetrachloride	ND	5.0	ug/L	06/11/14	HM	E624
Chlorobenzene	ND	5.0	ug/L	06/11/14	HM	E624
Chloroethane	ND	5.0	ug/L	06/11/14	HM	E624
Chloroform	ND	5.0	ug/L	06/11/14	HM	E624
Chloromethane	ND	5.0	ug/L	06/11/14	HM	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	06/11/14	HM	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	06/11/14	HM	E624
Dibromochloromethane	ND	5.0	ug/L	06/11/14	HM	E624
Ethylbenzene	ND	5.0	ug/L	06/11/14	HM	E624
m&p-Xylene	ND	5.0	ug/L	06/11/14	HM	E624
Methyl t-butyl ether (MTBE)	ND	5.0	ug/L	06/11/14	HM	E624
Methylene chloride	ND	5.0	ug/L	06/11/14	HM	E624

Project ID:
Client ID: TRIP BLANK

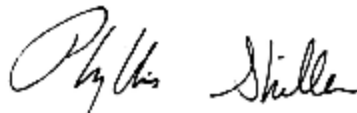
Phoenix I.D.: BG55386

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
o-Xylene	ND	5.0	ug/L	06/11/14	HM	E624
Tetrachloroethene	ND	5.0	ug/L	06/11/14	HM	E624
Toluene	ND	5.0	ug/L	06/11/14	HM	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	06/11/14	HM	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	06/11/14	HM	E624
Trichloroethene	ND	5.0	ug/L	06/11/14	HM	E624
Trichlorofluoromethane	ND	5.0	ug/L	06/11/14	HM	E624
Vinyl chloride	ND	5.0	ug/L	06/11/14	HM	E624
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	105		%	06/11/14	HM	70 - 130 %
% Bromofluorobenzene	96		%	06/11/14	HM	70 - 130 %
% Dibromofluoromethane	109		%	06/11/14	HM	70 - 130 %
% Toluene-d8	103		%	06/11/14	HM	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

June 17, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

June 17, 2014

QA/QC Data

SDG I.D.: GBG55240

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 276662, QC Sample No: BG54513 (BG55240)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	109	103	5.7	99.6	98.3	1.3	75 - 125	30
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 75-125%												
QA/QC Batch 276655, QC Sample No: BG54786 (BG55240)												
<u>ICP Metals - Aqueous</u>												
Cadmium	BRL	<0.001	<0.001	NC	98.6	97.6	1.0	96.7	95.9	0.8	75 - 125	20
Copper	BRL	<0.005	<0.005	NC	108	106	1.9	105	105	0.0	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	100	99.8	0.2	97.6	96.5	1.1	75 - 125	20
Nickel	BRL	<0.001	<0.001	NC	101	100	1.0	97.9	97.4	0.5	75 - 125	20
Zinc	BRL	0.003	0.002	NC	103	103	0.0	102	100	2.0	75 - 125	20



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QA/QC Report

June 17, 2014

QA/QC Data

SDG I.D.: GBG55240

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 276645, QC Sample No: BG54930 (BG55240)												
Chromium, Hexavalent	BRL	<0.01	<0.01	NC	103			103			70 - 130	30
QA/QC Batch 276677, QC Sample No: BG55078 (BG55240)												
Nitrogen Tot Kjeldahl	BRL	1.43	1.42	0.70	98.4			107			85 - 115	20
QA/QC Batch 276659, QC Sample No: BG55080 (BG55240)												
Flash Point		>200	>200	NC	100						85 - 115	30
QA/QC Batch 277095, QC Sample No: BG55082 (BG55240)												
Oil and Grease by EPA 1664	BRL				98.0						85 - 115	20
QA/QC Batch 276688, QC Sample No: BG55240 (BG55240)												
Total Suspended Solids	BRL	<5.0	<5.0	NC	98.0						85 - 115	20
QA/QC Batch 276704, QC Sample No: BG55308 (BG55240)												
pH		7.57	7.47	1.30	98.1						85 - 115	20
QA/QC Batch 276763, QC Sample No: BG55359 (BG55240)												
Chloride	BRL	191	189	1.10	100			111			85 - 115	20
Nitrate-N	BRL	<0.01	<0.01	NC	107			116			85 - 115	20
Nitrite as Nitrogen	BRL	0.04	0.04	NC	96.4			86.6			85 - 115	20
QA/QC Batch 276642, QC Sample No: BG55384 (BG55240)												
B.O.D./5 day	BRL	4.5	4.8	NC	107			112			70 - 130	20



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QA/QC Report

June 17, 2014

QA/QC Data

SDG I.D.: GBG55240

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 276722, QC Sample No: BG54677 (BG55240, BG55386)									
Volatiles - Water									
1,1,1-Trichloroethane	ND	100	101	1.0	98	99	1.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	92	100	8.3	96	101	5.1	70 - 130	30
1,1,2-Trichloroethane	ND	103	103	0.0	102	102	0.0	70 - 130	30
1,1-Dichloroethane	ND	104	104	0.0	105	102	2.9	70 - 130	30
1,1-Dichloroethene	ND	93	98	5.2	101	99	2.0	70 - 130	30
1,2-Dichlorobenzene	ND	97	102	5.0	97	98	1.0	70 - 130	30
1,2-Dichloroethane	ND	100	101	1.0	102	102	0.0	70 - 130	30
1,2-Dichloropropane	ND	101	104	2.9	104	101	2.9	70 - 130	30
1,3-Dichlorobenzene	ND	97	101	4.0	98	98	0.0	70 - 130	30
1,4-Dichlorobenzene	ND	95	99	4.1	96	96	0.0	70 - 130	30
Benzene	ND	99	103	4.0	102	102	0.0	70 - 130	30
Bromodichloromethane	ND	97	100	3.0	104	101	2.9	70 - 130	30
Bromoform	ND	90	94	4.3	96	101	5.1	70 - 130	30
Bromomethane	ND	93	97	4.2	67	82	20.1	40 - 160	30
Carbon tetrachloride	ND	103	105	1.9	106	104	1.9	70 - 130	30
Chlorobenzene	ND	98	103	5.0	102	100	2.0	70 - 130	30
Chloroethane	ND	59	55	7.0	81	74	9.0	70 - 130	30
Chloroform	ND	99	102	3.0	103	103	0.0	70 - 130	30
Chloromethane	ND	88	95	7.7	90	92	2.2	40 - 160	30
cis-1,2-Dichloroethene	ND	103	107	3.8	103	104	1.0	70 - 130	30
cis-1,3-Dichloropropene	ND	97	100	3.0	97	94	3.1	70 - 130	30
Dibromochloromethane	ND	101	105	3.9	102	99	3.0	70 - 130	30
Ethylbenzene	ND	101	104	2.9	105	106	0.9	70 - 130	30
m&p-Xylene	ND	100	106	5.8	105	104	1.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	103	108	4.7	137	141	2.9	70 - 130	30
Methylene chloride	ND	84	90	6.9	91	91	0.0	70 - 130	30
o-Xylene	ND	97	100	3.0	114	112	1.8	70 - 130	30
Tetrachloroethene	ND	95	100	5.1	94	94	0.0	70 - 130	30
Toluene	ND	100	104	3.9	102	102	0.0	70 - 130	30
trans-1,2-Dichloroethene	ND	93	97	4.2	98	100	2.0	70 - 130	30
trans-1,3-Dichloropropene	ND	95	96	1.0	95	94	1.1	70 - 130	30
Trichloroethene	ND	100	101	1.0	96	98	2.1	70 - 130	30
Trichlorofluoromethane	ND	89	90	1.1	87	88	1.1	70 - 130	30
Vinyl chloride	ND	94	95	1.1	92	92	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	103	101	99	2.0	98	101	3.0	70 - 130	30
% Bromofluorobenzene	93	96	99	3.1	100	101	1.0	70 - 130	30
% Dibromofluoromethane	104	102	101	1.0	100	97	3.0	70 - 130	30
% Toluene-d8	101	102	103	1.0	102	101	1.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 10%.

QA/QC Data

SDG I.D.: GBG55240

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 276626, QC Sample No: BG55150 (BG55240)									
<u>Semivolatiles</u>									
1,2,4-Trichlorobenzene	ND	78	79	1.3				30 - 130	20
1,2-Dichlorobenzene	ND	77	77	0.0				30 - 130	20
1,2-Diphenylhydrazine	ND	91	89	2.2				30 - 130	20
1,3-Dichlorobenzene	ND	78	78	0.0				30 - 130	20
1,4-Dichlorobenzene	ND	77	76	1.3				30 - 130	20
2,4,6-Trichlorophenol	ND	91	90	1.1				30 - 130	20
2,4-Dichlorophenol	ND	83	82	1.2				30 - 130	20
2,4-Dimethylphenol	ND	58	58	0.0				30 - 130	20
2,4-Dinitrophenol	ND	108	105	2.8				30 - 130	20
2,4-Dinitrotoluene	ND	92	91	1.1				30 - 130	20
2,6-Dinitrotoluene	ND	90	89	1.1				30 - 130	20
2-Chloronaphthalene	ND	87	87	0.0				30 - 130	20
2-Chlorophenol	ND	78	78	0.0				30 - 130	20
2-Nitrophenol	ND	86	86	0.0				30 - 130	20
3,3'-Dichlorobenzidine	ND	113	112	0.9				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	111	112	0.9				30 - 130	20
4-Bromophenyl phenyl ether	ND	85	84	1.2				30 - 130	20
4-Chloro-3-methylphenol	ND	85	83	2.4				30 - 130	20
4-Chlorophenyl phenyl ether	ND	86	85	1.2				30 - 130	20
4-Nitrophenol	ND	109	109	0.0				30 - 130	20
Acenaphthene	ND	85	84	1.2				30 - 130	20
Acenaphthylene	ND	84	84	0.0				30 - 130	20
Anthracene	ND	87	87	0.0				30 - 130	20
Benz(a)anthracene	ND	88	89	1.1				30 - 130	20
Benzidine	ND	>200	>200	NC				30 - 130	20
Benzo(a)pyrene	ND	89	90	1.1				30 - 130	20
Benzo(b)fluoranthene	ND	89	91	2.2				30 - 130	20
Benzo(ghi)perylene	ND	85	85	0.0				30 - 130	20
Benzo(k)fluoranthene	ND	94	91	3.2				30 - 130	20
Benzyl butyl phthalate	ND	90	92	2.2				30 - 130	20
Bis(2-chloroethoxy)methane	ND	83	84	1.2				30 - 130	20
Bis(2-chloroethyl)ether	ND	78	77	1.3				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	82	82	0.0				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	94	95	1.1				30 - 130	20
Chrysene	ND	87	88	1.1				30 - 130	20
Dibenz(a,h)anthracene	ND	82	83	1.2				30 - 130	20
Diethyl phthalate	ND	87	86	1.2				30 - 130	20
Dimethylphthalate	ND	87	86	1.2				30 - 130	20
Di-n-butylphthalate	ND	90	95	5.4				30 - 130	20
Di-n-octylphthalate	ND	83	81	2.4				30 - 130	20
Fluoranthene	ND	98	105	6.9				30 - 130	20
Fluorene	ND	87	86	1.2				30 - 130	20
Hexachlorobenzene	ND	79	79	0.0				30 - 130	20
Hexachlorobutadiene	ND	76	77	1.3				30 - 130	20
Hexachlorocyclopentadiene	ND	64	63	1.6				30 - 130	20
Hexachloroethane	ND	79	78	1.3				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	83	84	1.2				30 - 130	20
Isophorone	ND	87	87	0.0				30 - 130	20
Naphthalene	ND	80	81	1.2				30 - 130	20
Nitrobenzene	ND	83	82	1.2				30 - 130	20

QA/QC Data

SDG I.D.: GBG55240

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
N-Nitrosodimethylamine	ND	70	69	1.4				30 - 130	20
N-Nitrosodi-n-propylamine	ND	82	82	0.0				30 - 130	20
N-Nitrosodiphenylamine	ND	96	95	1.0				30 - 130	20
Pentachlorophenol	ND	100	100	0.0				30 - 130	20
Phenanthrene	ND	85	85	0.0				30 - 130	20
Phenol	ND	74	73	1.4				30 - 130	20
Pyrene	ND	100	109	8.6				30 - 130	20
% 2,4,6-Tribromophenol	81	83	82	1.2				15 - 110	20
% 2-Fluorobiphenyl	71	78	78	0.0				30 - 130	20
% 2-Fluorophenol	59	64	64	0.0				15 - 110	20
% Nitrobenzene-d5	75	79	78	1.3				30 - 130	20
% Phenol-d5	60	70	70	0.0				15 - 110	20
% Terphenyl-d14	91	107	117	8.9				30 - 130	20

Comment:

Additional 8270 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

QA/QC Batch 276635, QC Sample No: BG55254 (BG55240)

Polychlorinated Biphenyls

PCB-1016	ND	91	93	2.2				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	110	110	0.0				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	129	121	129	6.4				30 - 150	30
% TCMX (Surrogate Rec)	101	95	92	3.2				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director
June 17, 2014

Sample Criteria Exceedences Report
GBG55240 - GWTT

Criteria: None
State: MA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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NY Temperature Narration

June 17, 2014

SDG I.D.: GBG55240

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

TABLE A

LIMITATIONS FOR EFFLUENT TO **SANITARY OR COMBINED SEWERS**

Parameter ¹	Daily Limit	Units	Sample Type	Monthly Limit
Non-polar material ²	50	mg/l	Instantaneous	---
pH	5-12	SU's	Instantaneous	---
Temperature	< 150	Degree F	Instantaneous	---
Flash Point	> 140	Degree F	Instantaneous	---
Cadmium	2	mg/l	Instantaneous	---
	0.69	mg/l	Composite	---
Chromium (VI)	5	mg/l	Instantaneous	---
Copper	5	mg/l	Instantaneous	---
Lead	2	mg/l	Instantaneous	---
Mercury	0.05	mg/l	Instantaneous	---
Nickel	3	mg/l	Instantaneous	---
Zinc	5	mg/l	Instantaneous	---
Benzene	134	ppb	Instantaneous	57
Carbontetrachloride	---	---	Composite	---
Chloroform	---	---	Composite	---
1,4 Dichlorobenzene	---	---	Composite	---
Ethylbenzene	380	ppb	Instantaneous	142
MTBE (Methyl-Tert-Butyl-Ether)	50	ppb	Instantaneous	---
Naphthalene	47	ppb	Composite	19
Phenol	---	---	Composite	---
Tetrachloroethylene (Perc)	20	ppb	Instantaneous	---
Toluene	74	ppb	Instantaneous	28
1,2,4 Trichlorobenzene	---	---	Composite	---
1,1,1 Trichloroethane	---	---	Composite	---
Xylenes (Total)	74	ppb	Instantaneous	28
PCBs (Total) ³	1	ppb	Composite	---
Total Suspended Solids (TSS)	350 ⁴	mg/l	Instantaneous	---
CBOD ⁵	---	---	Composite	---
Chloride ⁵	---	---	Instantaneous	---
Total Nitrogen ⁵	---	---	Composite	---
Total Solids ⁵	---	---	Instantaneous	---
Other				

- 1 All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 C.F.R. pt. 136. If 40 C.F.R. pt. 136 does not cover the pollutant in question, the handling, preservation, and analysis must be performed in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater." All analyses shall be performed using a detection level less than the lowest applicable regulatory discharge limit. If a parameter does not have a limit, then the detection level is defined as the least of the Practical Quantitation Limits identified in NYSDEC's Analytical Detectability and Quantitation Guidelines for Selected Environmental Parameters, December 1988.
- 2 Analysis for **non-polar materials** must be done by EPA method 1664 Rev. A. Non-Polar Material shall mean that portion of the oil and grease that is not eliminated from a solution containing N-Hexane, or any other extraction solvent the EPA shall prescribe, by silica gel absorption.
- 3 Analysis for PCB=s is required if **both** conditions listed below are met:
 1) If proposed discharge $\geq 10,000$ gpd;
 2) If duration of a discharge > 10 days.
 Analysis for PCB=s must be done by EPA method 806 with MDL= ≤ 65 ppt. PCB's (total) is the sum of PCB-1242 (Arochlor 1242), PCB-1254 (Arochlor 1254), PCB-1221 (Arochlor 1221), PCB-1232 (Arochlor 1232), PCB-1248 (Arochlor 1248), PCB-1260 (Arochlor 1260) and PCB-1016 (Arochlor 1016).
- 4 For discharge $\geq 10,000$ gpd, the TSS limit is 350 mg/l. For discharge < 10,000 gpd, the limit is determined on a case by case basis.
- 5 Analysis for Carbonaceous Biochemical Oxygen Demand (CBOD), Chloride, Total Solids and Total Nitrogen are required if proposed discharge $\geq 10,000$ gpd. Total Nitrogen = Total Kjeldahl Nitrogen (TKN) + Nitrite (NO₂) + Nitrate (NO₃).