New York State Department of Environmental Conservation

Division of Environmental Remediation
Remedial Bureau A, 12th Floor

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MEMORANDUM

TO: FILE

FROM: Hayley Frank, Environmental Engineering Technician 1

SUBJECT: **Groundwater Monitoring April 2017**

Site Name: Genzale Plating Co. **Site Code:** 130018

City: Hempstead **County:** Nassau

DATE: 7/17/17

The Genzale Plating Co. site is located in Hempstead, New York; see Figure 1. Groundwater monitoring was performed at the above-referenced site on April 5, 2017 by the New York State Department of Environmental Conservation (NYSDEC). Monitoring was performed in general accordance with the Site Management Plan (SMP) dated July 2016 for this site. Details of the groundwater monitoring activities are presented below.

Groundwater Monitoring Procedures

Groundwater monitoring was performed on April 5, 2017. At each well the depth to the static water level was measured using a water interface probe. Measurements were recorded to the nearest 0.01 foot. The monitoring well top of casing appeared to be compromised at MW-3S and MW-18S because the surveyed top of casing could not be determined. These measurements are included in Table 1.

Before the wells were sampled, the wells were purged with disposable bailers. The goal was to purge three well volumes. During the purging of each monitoring well the pH, temperature, conductivity, turbidity, dissolved oxygen concentration, and redox were recorded. Purge logs and photos are provided in Appendix A. The purge water from MW-15S was slightly clear and black in color.

After purging the monitoring wells, samples to be analyzed were obtained using disposable bailers. The samples were managed in accordance with the Site Management Plan (SMP). Quality

assurance/quality control (QA/QC) samples were also obtained in accordance with the SMP. A duplicate of MW-15S was taken along with a field blank and a trip blank to assess the quality of the analytical results. Directly after obtaining all of the samples, they were delivered to Test America Laboratories, Inc., a New York State Department of Health NELAP-certified laboratory. Samples were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) in accordance with EPA method 8260C, for metals in accordance with EPA method 6010C, and for hexavalent chromium in accordance with EPA method 7196A. The laboratory results are included in Appendix B.

Groundwater Monitoring Results

The depth-to-water measurements were integrated with the well relative elevations to determine the groundwater flow direction. This is displayed in Figure 1. The flow direction was found to be to the south with an easterly component. This is consistent with February 2007 results that indicated a regional flow to the south.

The analytical results for the April 2017 sampling event are presented in Table 2. The primary site contaminants tetrachloroethene (PCE), trichloroethene (TCE), total chromium, hexavalent chromium, and nickel are depicted in Figure 2. MW-18S exhibited the most severe contamination, with the highest levels of chromium, hexavalent chromium, and nickel. No wells exceeded groundwater standards for PCE, and only MW-18S and MW-15S slightly exceeded the standard for TCE. Acetone, 1,1-dichloroethane, and methyl ethyl ketone were detected above groundwater criteria at MW-15S. Dechlorination may be occurring at MW-3S and MW-15S due to low dissolved oxygen and redox readings recorded during purging.

The analytical results from 2007 to 2017 for the primary contaminants are presented in Table 3 for the monitoring wells MW-3S, MW-15S, and MW-18S. MW-15S showed a significant decrease in concentrations of all primary contaminants, while low levels at MW-3S remained approximately the same. MW-18S was previously used as a re-injection well for a system optimization study from 2012 to 2014. In April 2015, injections of a reducing agent (ABC+) were conducted to allow for dechlorination of target compounds and long-term immobilization of residual metal contamination. VOCs and metals have decreased significantly at MW-3S and MW-15S and are presently below groundwater criteria. Concentrations at MW-18S are presently above groundwater criteria for VOCs and metals and above initial concentrations for chromium.

Based on the review of the QA/QC samples (duplicate at MW-15S, a field blank, and a trip blank), and the laboratory narrative provided in Appendix B, the analytical results are considered to be usable for assessing groundwater trends.

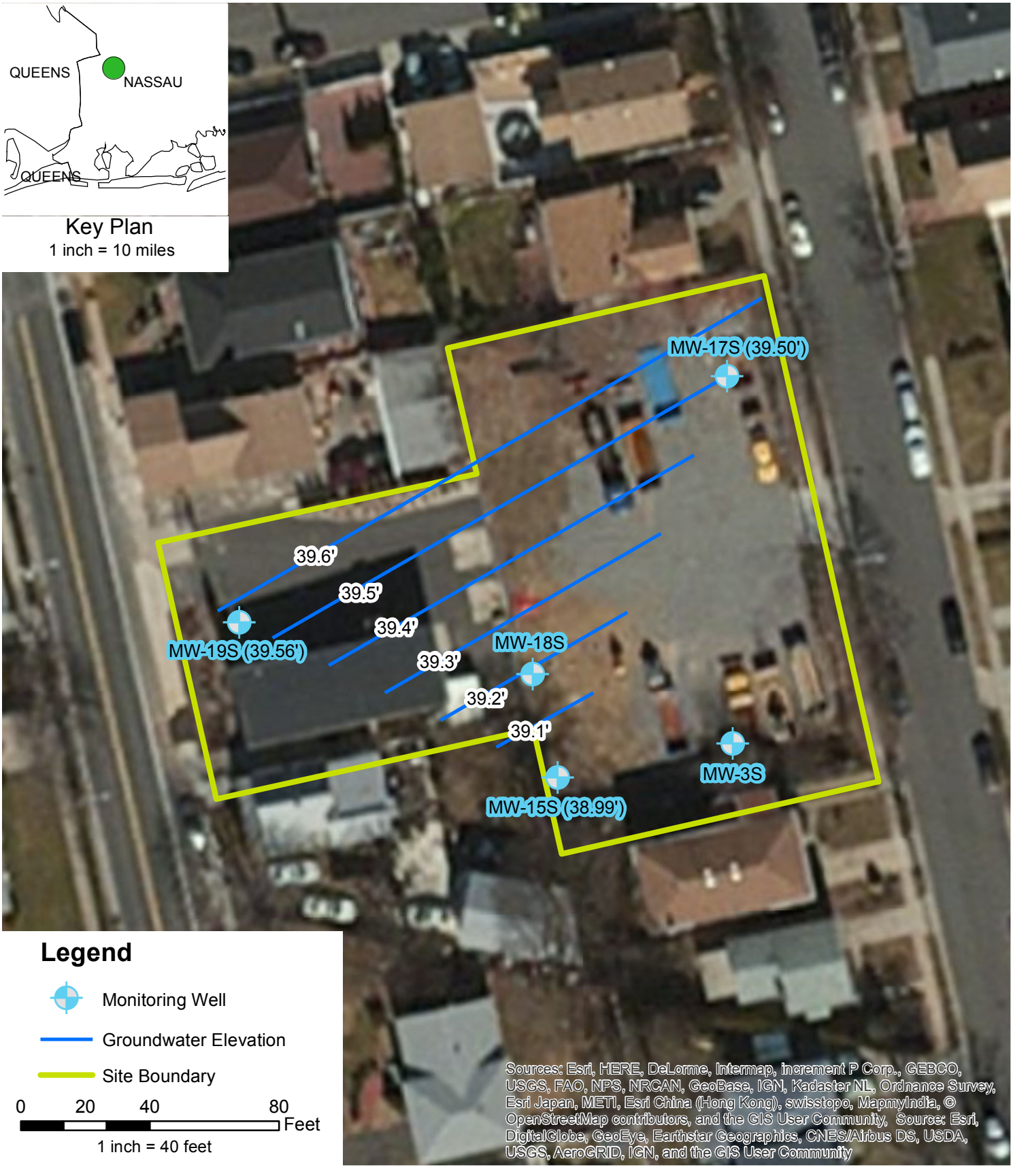
Site-Wide Inspections

The monitoring wells were in good condition with the exception of MW-3S and MW-18S, which did not have the casings securely closed. The site was utilized for storage of construction equipment, and appears to be in compliance with the SMP. The onsite building remains unoccupied.

Summary and Recommendations

The site has a pump and treat system that was implemented primarily to address contamination from heavy metals. The system is currently not operational. Due to the exceedance of NYSDEC GA Groundwater standards for VOCs at MW-15S and metals at MW-18S, continued monitoring is recommended to confirm that no further remediation is required.

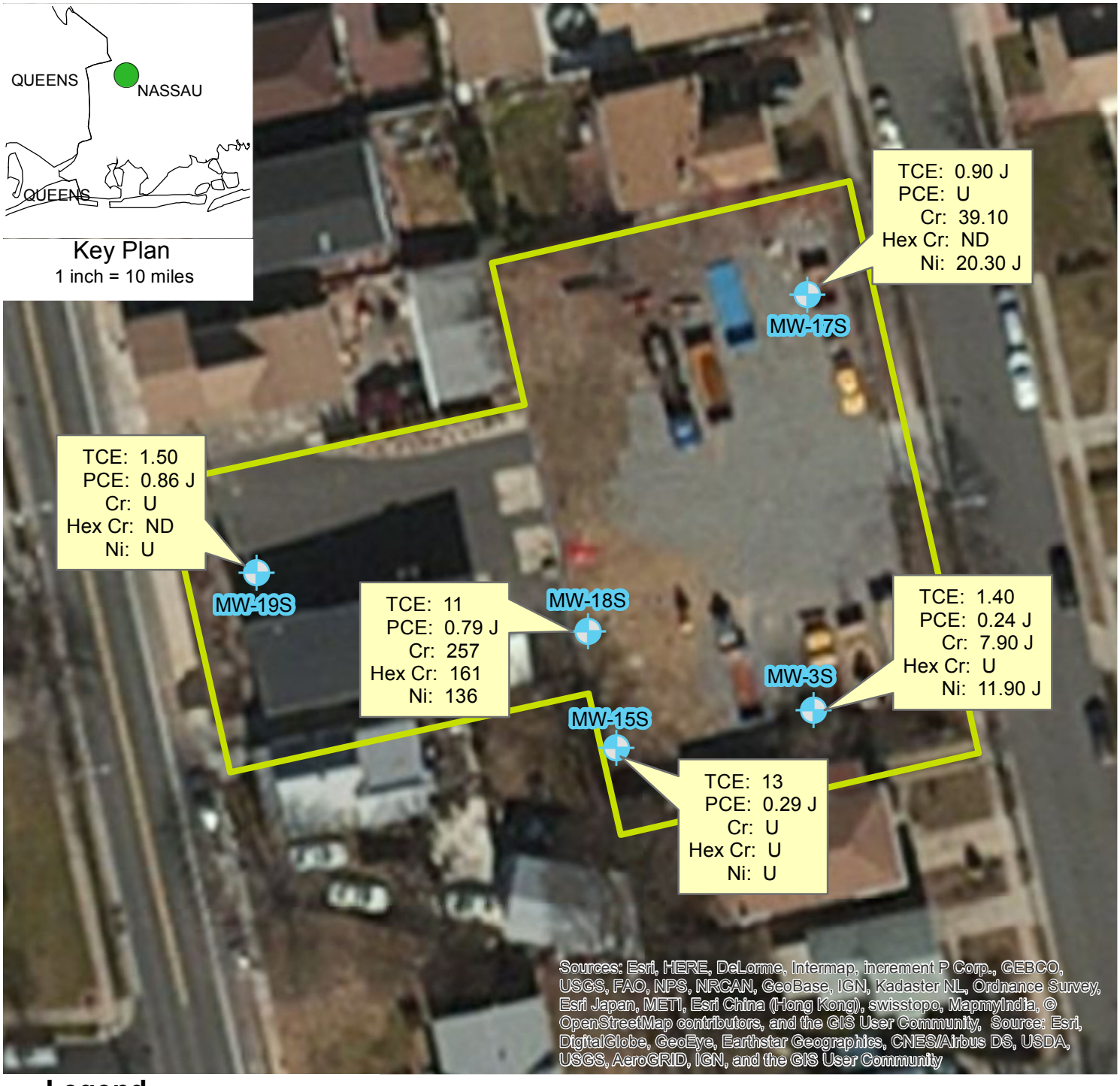
Figures



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Figure 1: Groundwater Contour Map
April 5, 2017
Genzale Plating Co.
Site No. 130018
Hempstead, Nassau County, New York

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Legend

Monitoring Well

Site Boundary

0 20 40 80 Feet

1 inch = 40 feet

Contaminant	Abbreviation	Groundwater Standard (µg/L)
Trichloroethylene	TCE	5
Tetrachloroethylene	PCE	5
Total Chromium	Cr	50
Hexavalent Chromium	Hex Cr	50
Nickel	Ni	100

U: Not detected
J: Estimated
Units are in µg/L

NEW YORK STATE OF OPPORTUNITY
Department of Environmental Conservation

Figure 2: Primary Contaminant Concentrations
April 5, 2017
Genzale Plating Co.
Site No. 130018
Hempstead, Nassau County, New York

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Tables

Table 1

Genzale Plating Co.

Hempstead, New York

Site Number: 130018

Monitoring Well Data for April 2017

Monitoring Well Identification	Casing Construction	X-Coordinate	Y-Coordinate	Reference Elevation (ft AMSL)	Depth to Water (ft) (4/5/17)	Elevation of Ground Water (ft AMSL)
MW-3S*	Flushmount	-73.67689279	40.71513908	-	31.42	-
MW-15S	Flushmount	-73.67708866	40.71511247	71.73	32.74	38.99
MW-17S	Flushmount	-73.67689277	40.71545132	71.18	31.68	39.50
MW-18S*	Flushmount	-73.67711494	40.71520041	-	32.12	-
MW-19S	Flushmount	-73.67744184	40.71524845	77.00	37.44	39.56

NOTES: 1. ft AMSL = feet above mean sea level.
2. *Indicates well was not used to create groundwater contour map due to condition of well casing which seemed compromised.

Table 2
Genzale Plating Co.
Hempstead, New York
Site Number: 130018
Analytical Results for April 2017

Method	Chemical Name	Groundwater Standard (GA)	MW-3S	MW-15S	MW-17S	MW-18S	MW-19S	Field Blank	Trip Blank
Volatile Organic Compounds (Method 8260C)	Acetone	50	U	59	U	U	U	U	U
	Benzene	1	U	0.16 J	U	U	U	U	U
	Bromochloromethane	5	U	U	U	U	U	U	U
	Bromodichloromethane	50	U	U	U	U	U	U	U
	Bromoform	50	U	U	U	U	U	U	U
	Bromomethane	5	U	U	U	U	U	U	U
	Carbon Disulfide	60	U	U	U	U	U	U	U
	Carbon Tetrachloride	5	U	U	U	U	U	U	U
	Chlorobenzene	5	U	U	U	U	U	U	U
	Chloroethane	5	U	U	U	U	U	U	U
	Chloroform	7	U	U	U	U	U	U	U
	Chloromethane	5	U	U	U	U	U	U	U
	Cyclohexane	NC	U	U	U	U	U	U	U
	Dibromochloromethane	50	U	U	U	U	U	U	U
	1,2-Dibromoethane (Ethylene Dibromide)	0.0006	U	U	U	U	U	U	U
	1,2-Dibromo-3-Chloropropane	0.04	U	U	U	U	U	U	U
	1,2-Dichlorobenzene	3	U	U	U	U	U	U	U
	1,3-Dichlorobenzene	3	U	U	U	U	U	U	U
	1,4-Dichlorobenzene	3	U	U	U	U	U	U	U
	1,2-Dichloroethane	5	U	U	U	U	U	U	U
	Trans-1,2-Dichloroethene	5	U	U	U	U	U	U	U
	1,2-Dichloropropane	1	U	U	U	U	U	U	U
	Trans-1,3-Dichloropropene	0.4	U	U	U	U	U	U	U
	Dichlorodifluoromethane	5	U	U	U	U	U	U	U
	1,1-Dichloroethane	5	2.10	8.30	U	U	U	U	U
	1,1-Dichloroethene	5	U	U	U	U	U	U	U
	Cis-1,2-Dichloroethylene	5	U	2.1	U	U	U	U	U
	Cis-1,3-Dichloropropene	0.4	U	U	U	U	U	U	U
	Ethylbenzene	5	U	U	U	U	U	U	U
	2-Hexanone	50	U	24	U	U	U	U	U
	Isopropylbenzene (Cumene)	5	U	U	U	U	U	U	U
	m,p-Xylene	5	U	0.29 J	U	U	U	U	U
	Methyl Acetate	NC	U	11	U	U	U	U	U
	Methyl Ethyl Ketone (2-Butanone)	50	U	120	U	U	U	U	U
	Methylene Chloride	5	U	U	U	U	U	U	U
	Methylcyclohexane	NC	U	U	U	U	U	U	U
	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NC	U	U	U	U	U	U	U
	O-Xylene (1,2-Dimethylbenzene)	5	U	U	U	U	U	U	U
	Styrene	5	U	U	U	U	U	U	U
	Tert-Butyl Methyl Ether	10	U	U	U	U	U	U	U
	1,1,2,2-Tetrachloroethane	5	U	U	U	U	U	U	U
	1,1,1-Trichloroethane (TCA)	5	U	1.20	0.77 J	3.50	0.78 J	U	U
	1,1,2-Trichloroethane	1	U	U	U	U	U	U	U
	1,1,2-Trichloro-1,2,2-Trifluoroethane	5	U	U	U	U	U	U	U
	Tetrachloroethylene (PCE)	5	0.24 J	0.29 J	U	0.79 J	0.86 J	U	U
	Toluene	5	U	U	U	U	U	U	U
	1,2,3-Trichlorobenzene	5	U	U	U	U	U	U	U
	1,2,4-Trichlorobenzene	5	U	U	U	U	U	U	U
	Trichloroethylene (TCE)	5	1.40	13	0.90 J	11	1.50	U	U
	Trichlorofluoromethane	5	U	U	U	U	U	U	U
	Vinyl Chloride	2	U	U	U	U	U	U	U
	1,4-Dioxane (P-Dioxane)	50	U	U	U	U	U	U	U
Metals (Method 6010C)	Cadmium	5	U	U	U	U	U	U	ND
	Chromium, Total	50	7.90 J	U	39.10	257	U	U	ND
	Copper	200	U	U	U	14.30 J	U	U	ND
	Nickel	100	11.90 J	U	20.30 J	136	U	U	ND
Hexavalent Chromium (Method 7196A)	Chromium, Hexavalent	50	U	U	ND	161	ND	U	ND
	Chromium, Trivalent	NC	U	U	ND	96	U	U	ND

Notes:
1. Units are in µg/L.
2. U = Analyte was not detected above the laboratory method detection limit.
3. J = The reported value is estimated (above detection limit but below reporting limit).
4. Highlighted values indicate exceedances of NYSDEC groundwater standards.
5. NC = No Criteria.
6. ND = No Data.

Table 3

Genzale Plating Co.

Hempstead, New York

Site Number: 130018

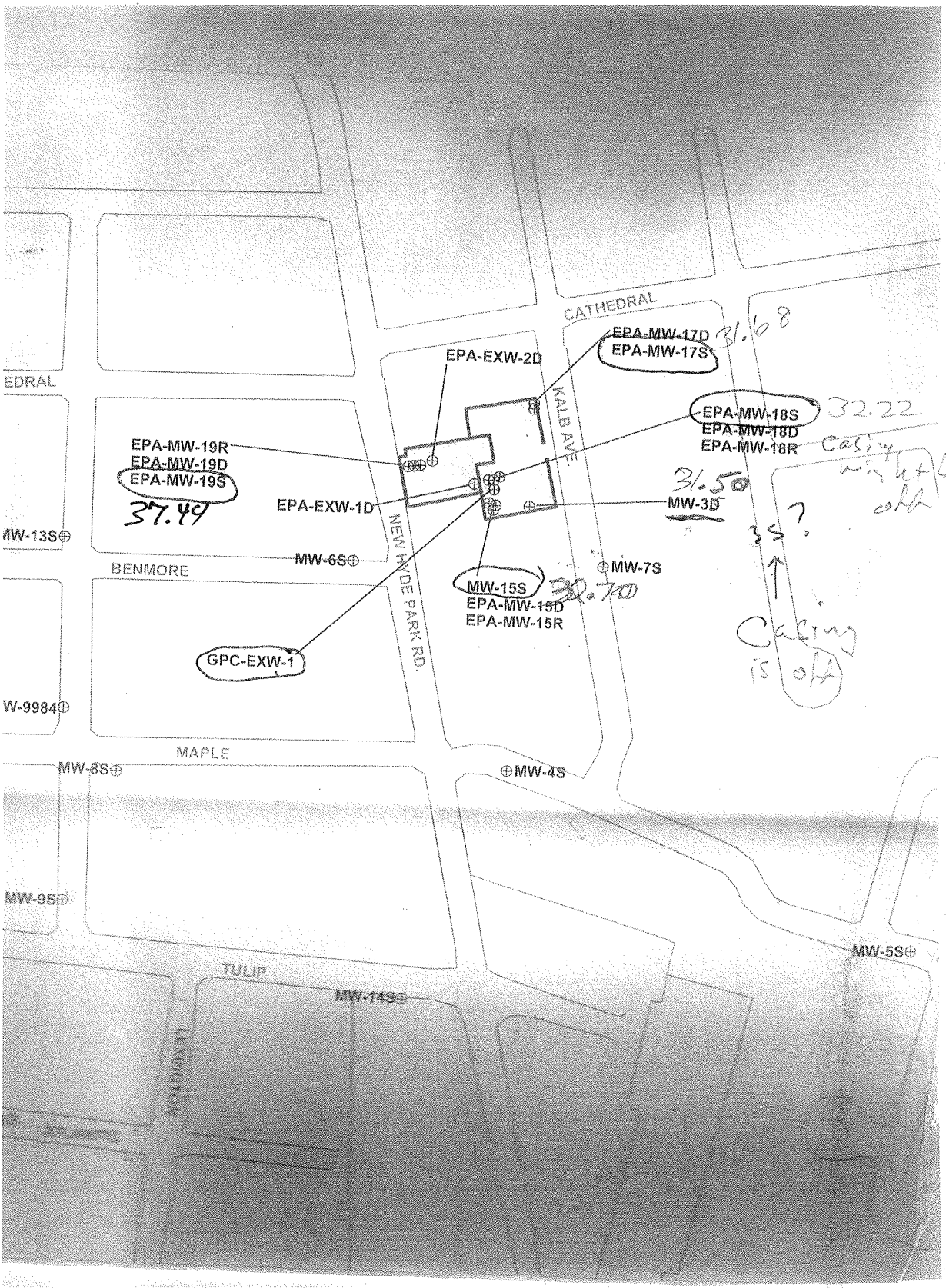
Concentration Trends Of Contaminants of Interest In Monitoring Wells: Updated April 2017

Monitoring Well	Groundwater Sampling Date	Contaminant and Groundwater Criteria				
		Trichloroethylene (TCE) 5 µg/L	Tetrachloroethylene (PCE) 5 µg/L	Total Chromium (Cr) 50 µg/L	Hexavalent Chromium (Hex Cr) 50 µg/L	Nickel (Ni) 100 µg/L
MW-3S	7/12/2011	23	U	1700	2100	1000
	12/14/2011	U	U	1220	70	20.7
	4/17/2012	U	U	4200	U	150
	3/14/2013	5.4	U	194	200	157
	4/18/2013	5.0	U	199	180	130
	10/7/2013	5.4	0.61	168	114	185
	2/12/2014	5.3	0.7	180	180	115
	5/5/2014	11	U	364	316	121
	6/25/2014	9.6	U	380	370	190
	2/4/2015	10	1.6	421	317	170
	4/7/2015 - 4/9/2015	Period of (ABC+) Injections				
	6/16/2015	U	U	12	U	94
	9/3/2015	U	U	71.2	6	147
	2/10/2016	0.45	U	5.2	U	5.25
	4/5/2017	1.40	0.24 J	7.90 J	U	11.90 J
MW-15S	7/12/2011	230	13	2400	2200	2400
	12/13/2011	U	U	59.7	U	70.6
	4/17/2012	U	U	71	53	100
	3/14/2013	29	1.8	235	230	394
	4/18/2013	37	2.6	297	300	422
	10/7/2013	24	1.2	393	262	346
	2/12/2014	17.7	0.96	188	210	320
	5/5/2014	35	2.4	418	375	546
	6/25/2014	19	U	400	400	390
	2/4/2015	34.7	2.1	473	332	616
	4/7/2015 - 4/9/2015	Period of (ABC+) Injections				
	6/16/2015	55	U	1300	1300	1100
	9/3/2015	110	2.8	6030	3880	904
	2/9/2016	130	3.7	1880	1760	623
	4/5/2017	13	0.29 J	U	U	U
MW-18S	7/12/2011	U	U	150	130	150
	12/13/2011	U	U	15.1	U	U
	4/7/2015 - 4/9/2015	Period of (ABC+) Injections				
	6/16/2015	U	U	410	430	41
	9/3/2015	U	U	316	123	151
	2/9/2016	4.6	U	166	173	93.3
	4/5/2017	11	0.79 J	257	161	136

Notes

1. Analytical results shown in table are in µg/L.
2. Data prior to the 2017 sampling event was provided by the United States Environmental Protection Agency (US EPA).
3. U = Analyte was not detected above the laboratory method detection limit.
4. J = estimated (above detection limit but below reporting limit).

Appendix A
Field Forms April 2017
Genzale Plating Co.


CATHEDRAL
EDRAL
EPA-MW-17D
EPA-MW-17S
31.68
EPA-EXW-2D
KALB AVE.
EPA-MW-18S
EPA-MW-18D
EPA-MW-18R
32.22
Casing might be old
EPA-MW-19R
EPA-MW-19D
EPA-MW-19S
37.49
EPA-EXW-1D
31.50
MW-3D
35?
Casing is old
MW-13S
MW-6S
BENMORE
NEW HYDE PARK RD.
MW-7S
MW-15S
EPA-MW-15D
EPA-MW-15R
30.70
GPC-EXW-1
W-9984
MAPLE
MW-8S
MW-4S
MW-9S
MW-5S
TULIP
MW-14S
LEXINGTON

Monitoring Well Sampling Log

Well No.: MW-35
Project: ~~Washington County PFC~~ Sampling Genrale
Date: 4/5/17
Location:

Project No.: ~~1601507~~ 130018
Casing Type:
Screen Length:
Measuring Point: TOC
Well Diameter: 2"
Well Depth: 37.0
Water Level: 31.42
Water Column: ~~35~~ 5.6
1 Volume (gal.): 1.12

Purge Device: bailer
Start Purge: 1105
Stop Purge: 1129
Tubing Type: —
Sampling Device: bailer
Sample Time: 1240
Sample Personnel: RFD
Sample Analyses: metals VOC nox Chromium VI

Notes:

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks
1116		1	7.10	0.292	800+	2.06	14.06	-144		brown, silty
1124		2	6.80	0.333	767	1.83	14.10	-113		brown, silty
1128		3	6.90	0.358	341	6.24	14.27	-173		brown, silty

Monitoring Well Sampling Log

Well No.: 15S
Project: ~~Washington County PFC~~ benzale Sampling
Project No.: ~~1601507~~ 130018
Casing Type: PVC
Screen Length:
Measuring Point: TOC
Well Diameter: 2"
Well Depth: 38.0
Water Level: 32.74
Water Column: 5.3
1 Volume (gal.): 1.6

Date: 4/5/17
Location:
Purge Device: bailer
Start Purge: 958
Stop Purge: 1042
Tubing Type: —
Sampling Device: bailer
Sample Time: 1220
Sample Personnel: BF
Sample Analyses: metals Hex Cr., VOC, Dioxane
Collected Field Dup

Notes:

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks
1012		1	7.12	2.59	162	0.98	14.46	-312		Slight sheen Black color
1029		2	7.15	2.07	176	1.83	14.58	-237		Slight sheen Black color
1042		3	7.08	1.85	210	1.13	14.61	-202		Slight sheen Black color

Monitoring Well Sampling Log

Well No.: 175
Project: ~~Washington County PFC~~ Penrule Sampling
Project No.: 1601507
Casing Type: pvc
Screen Length:
Measuring Point:
Well Diameter: 2"
Well Depth: 40.40
Water Level: 31.68
Water Column: 8.72
1 Volume (gal.): 1.7

Date: 4/4/17
Location: Formation Square
Purge Device: Solus
Start Purge: 3:32
Stop Purge: 356
Tubing Type:
Sampling Device:
Sample Time: 4:30
Sample Personnel: Hall & Bolger
Sample Analyses: VOC & metals
NTU at sample: 175

Notes:

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (~~°F~~ °C)	ORP (mV)	Depth to Water (ft.)	Remarks
~~3:43~~										
3:41		1	6.18	0.157	280	6.00	13.74	335		
3:49		2	5.87	0.332	300	4.12	14.16	~~345~~ 343		
3:56		3	6.02	0.335	325	4.39	14.3	346		

Monitoring Well Sampling Log

Well No.: 18S
Project: ~~Washington County PFC~~ Gonzales Sampling
Project No.: ~~1601507~~ 130018
Casing Type: PVC
Screen Length:
Measuring Point: TOC
Well Diameter: 2"
Well Depth: 38.4
Water Level: 32.12
Water Column: 6.3
1 Volume (gal.): 1.26

Date: 4/5/17
Location:
Purge Device: bailer
Start Purge: 9:05
Stop Purge: 940
Tubing Type: —
Sampling Device: bailer
Sample Time: 1157
Sample Personnel: Heather Bishop
Sample Analyses: VOC, metals, hex chromium, 1,4-Dioxane
Collected MS/MSD

Notes: calibrated Horiba.

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)	ORP (mV)	Depth to Water (ft.)	Remarks
9:30		1	5.53	0.628	51.1	6.09	12.71	364		
9:36		2	5.85	0.589	120	4.42	13.68	365		
940		3	5.92	0.583	96	4.82	13.58	346		

Monitoring Well Sampling Log

Well No.: 195 ~~Washington County PFC~~ Benzaka
Project: Sampling
Project No.: 1601507
Casing Type: PVC
Screen Length:
Measuring Point:
Well Diameter: 2"
Well Depth: 44.6
Water Level: 37.44
Water Column: 7.2
1 Volume (gal.): 1.4 gal/vol

Date: 4/4/17
Location: Franklin Square
Purge Device:
Start Purge: 2:40
Stop Purge: 3:15
Tubing Type:
Sampling Device:
Sample Time: 4:15
Sample Personnel: Heather Bosley
Sample Analyses: Metals, VOCs
visibly clear

Notes: Calibrated meter

Gal./ft.: 1" dia. = 0.05 gal./ft., 2" dia. = 0.18 gal./ft., 4" dia. = 0.66 gal./ft., 6" dia. = 1.5 gal./ft

Low Flow Criteria: temp ±3%, pH ±0.1, cond ±3%, redox ±10 mv, DO & turb ±10%, flow 100-500 ml/min.

Time	Rate	Volume	pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (°F)C°	ORP (mV)	Depth to Water (ft.)	Remarks
~~2:52~~		1	5.76	0.375	280	~~4.38~~ 3.78	14.46	287		
2:57		2	5.81	0.368	269	4.25	14.84	301		
3:12		3	5.83	0.362	217	4.53	14.49	315	37.7	

MW-3S



MW-15S



MW-15S



Purge Water MW-15S



MW-17S



MW-18S



Appendix B
Laboratory Results
Sampled April 2017
Genzale Plating Co.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-131030-1

Job Description: DEC Genzale Plating Co. Site # 130018

Contract Number: C008010

For:
New York State D.E.C.
625 Broadway
12th Floor
Albany, NY 12233-7017

Attention: Ms. Heather Bishop

Approved for release.
Shalini Williams
Project Management Assistant II
4/24/2017 12:01 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
04/24/2017

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

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CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Genzale Plating Co. Site # 130018

Report Number: 460-131030-1

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.

RECEIPT

The samples were received on 4/5/2017 6:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.0º C and 3.2º C.

Receipt Exceptions

The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): FB-42017 (460-131030-8). The client confirmed that the sample should be analyzed for metals, VOC, and hexavalent chromium.

Method(s) 7196A: The following samples contained volume for HEXAVALENT CHROMIUM but the method is not checked on the chain of custody: 18S-42017 (460-131030-3), 18S-42017 (460-131030-3[DU]), 18S-42017 (460-131030-3[MS]), 18S-42017 (460-131030-3[MSD]), 15S-42017 (460-131030-4) and 3S-42017 (460-131030-5). The client instructed the lab to analyze these samples for hexavalent chromium and provided a revised COC.

The following sample was received at the laboratory without a sample collection time documented on the chain of custody: FDup-42017 (460-131030-7). The client was contacted, and the laboratory was instructed to use a sample collection time of 12pm.

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)

Samples 19S-42017 (460-131030-1), 17S-42017 (460-131030-2), 18S-42017 (460-131030-3), 15S-42017 (460-131030-4), 3S-42017 (460-131030-5), TB-42017 (460-131030-6), FDup-42017 (460-131030-7) and FB-42017 (460-131030-8) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 04/15/2017 and 04/18/2017.

The continuing calibration verification (CCV) associated with batch 430489 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The following MB and sample had a peak at 11.098 min that is a GC carryover; therefore, it was not reported as TIC.

TB-42017 (460-131030-6) and (MB 460-430489/7)

2-Butanone (MEK) failed the recovery criteria high for the MS of sample 18S-42017MS (460-131030-3) in batch 460-430489.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - SELECTED ION MODE (SIM)

Samples 18S-42017 (460-131030-3), 15S-42017 (460-131030-4) and 3S-42017 (460-131030-5) were analyzed for volatile organic compounds (GC-MS) - Selected Ion Mode (SIM) in accordance with EPA SW-846 Method 8260C SIM. The samples were analyzed on 04/11/2017.

No difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

METALS

Samples 19S-42017 (460-131030-1), 17S-42017 (460-131030-2), 18S-42017 (460-131030-3), 15S-42017 (460-131030-4), 3S-42017 (460-131030-5), FDup-42017 (460-131030-7) and FB-42017 (460-131030-8) were analyzed for Metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared and analyzed on 04/20/2017 and 04/21/2017.

Samples 15S-42017 (460-131030-4)[2X] and FDup-42017 (460-131030-7)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM

Samples 18S-42017 (460-131030-3), 15S-42017 (460-131030-4), 3S-42017 (460-131030-5), FDup-42017 (460-131030-7) and FB-42017 (460-131030-8) were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were analyzed on 04/06/2017.

Samples 15S-42017 (460-131030-4)[5X] and FDup-42017 (460-131030-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the hexchrome Cr6 analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: New York State D.E.C.
Project/Site: DEC Genzale Plating Co. Site # 130018

TestAmerica Job ID: 460-131030-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-131030-1	19S-42017	Water	04/04/17 16:15	04/05/17 18:40
460-131030-2	17S-42017	Water	04/04/17 16:30	04/05/17 18:40
460-131030-3	18S-42017	Water	04/05/17 11:57	04/05/17 18:40
460-131030-4	15S-42017	Water	04/05/17 12:20	04/05/17 18:40
460-131030-5	3S-42017	Water	04/05/17 12:40	04/05/17 18:40
460-131030-6	TB-42017	Water	04/04/17 00:00	04/05/17 18:40
460-131030-7	FDup-42017	Water	04/05/17 12:00	04/05/17 18:40
460-131030-8	FB-42017	Water	04/05/17 10:50	04/05/17 18:40

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC Genzale Plating Co. Site # 130018

TestAmerica Job ID: 460-131030-1

Client Sample ID: 19S-42017 — Lab Sample ID: 460-131030-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.78	J	1.0	0.28	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.86	J	1.0	0.12	ug/L	1		8260C	Total/NA
Trichloroethene	1.5		1.0	0.22	ug/L	1		8260C	Total/NA

Client Sample ID: 17S-42017 — Lab Sample ID: 460-131030-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.77	J	1.0	0.28	ug/L	1		8260C	Total/NA
Trichloroethene	0.90	J	1.0	0.22	ug/L	1		8260C	Total/NA
Chromium	39.1		10.0	3.3	ug/L	1		6010C	Total/NA
Nickel	20.3	J	40.0	9.0	ug/L	1		6010C	Total/NA

Client Sample ID: 18S-42017 — Lab Sample ID: 460-131030-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	3.5		1.0	0.28	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.79	J	1.0	0.12	ug/L	1		8260C	Total/NA
Trichloroethene	11		1.0	0.22	ug/L	1		8260C	Total/NA
Chromium	257		10.0	3.3	ug/L	1		6010C	Total/NA
Copper	14.3	J	25.0	8.1	ug/L	1		6010C	Total/NA
Nickel	136		40.0	9.0	ug/L	1		6010C	Total/NA
Cr (VI)	161		10.0	2.7	ug/L	1		7196A	Total/NA

Client Sample ID: 15S-42017 — Lab Sample ID: 460-131030-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.2		1.0	0.28	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	8.3		1.0	0.24	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	120		5.0	2.2	ug/L	1		8260C	Total/NA
2-Hexanone	24		5.0	0.72	ug/L	1		8260C	Total/NA
Acetone	59		5.0	1.1	ug/L	1		8260C	Total/NA
Benzene	0.16	J	1.0	0.090	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.1		1.0	0.26	ug/L	1		8260C	Total/NA
Methyl acetate	11		5.0	0.58	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	0.29	J	1.0	0.28	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.29	J	1.0	0.12	ug/L	1		8260C	Total/NA
Trichloroethene	13		1.0	0.22	ug/L	1		8260C	Total/NA

Client Sample ID: 3S-42017 — Lab Sample ID: 460-131030-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.1		1.0	0.24	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.24	J	1.0	0.12	ug/L	1		8260C	Total/NA
Trichloroethene	1.4		1.0	0.22	ug/L	1		8260C	Total/NA
Chromium	7.9	J	10.0	3.3	ug/L	1		6010C	Total/NA
Nickel	11.9	J	40.0	9.0	ug/L	1		6010C	Total/NA

Client Sample ID: TB-42017 — Lab Sample ID: 460-131030-6

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New York State D.E.C.
Project/Site: DEC Genzale Plating Co. Site # 130018

TestAmerica Job ID: 460-131030-1

Client Sample ID: FDup-42017 — Lab Sample ID: 460-131030-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.2		1.0	0.28	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	9.2		1.0	0.24	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	110		5.0	2.2	ug/L	1		8260C	Total/NA
2-Hexanone	26		5.0	0.72	ug/L	1		8260C	Total/NA
Acetone	64		5.0	1.1	ug/L	1		8260C	Total/NA
Benzene	0.18	J	1.0	0.090	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.8		1.0	0.26	ug/L	1		8260C	Total/NA
Methyl acetate	8.6		5.0	0.58	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	0.29	J	1.0	0.28	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.20	J	1.0	0.12	ug/L	1		8260C	Total/NA
Trichloroethene	13		1.0	0.22	ug/L	1		8260C	Total/NA
Chromium	8.0	J	20.0	6.6	ug/L	2		6010C	Total/NA

Client Sample ID: FB-42017 — Lab Sample ID: 460-131030-8

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: New York State D.E.C.
Project/Site: DEC Genzale Plating Co. Site # 130018

TestAmerica Job ID: 460-131030-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8260C SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL EDI
6010C	Metals (ICP)	SW846	TAL EDI
7196A	Chromium, Hexavalent	SW846	TAL EDI

Protocol References:

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

Laboratory References:

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: 19S-42017
Lab Sample ID: 460-131030-1

Date Collected: 04/04/17 16:15
Matrix: Water

Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.78**	**J**	1.0	0.28	ug/L			04/15/17 06:41	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/15/17 06:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34	ug/L			04/15/17 06:41	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/15/17 06:41	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/15/17 06:41	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/15/17 06:41	1
1,2,3-Trichlorobenzene	0.35	U	1.0	0.35	ug/L			04/15/17 06:41	1
1,2,4-Trichlorobenzene	0.27	U	1.0	0.27	ug/L			04/15/17 06:41	1
1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23	ug/L			04/15/17 06:41	1
1,2-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/15/17 06:41	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/15/17 06:41	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/15/17 06:41	1
1,3-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 06:41	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 06:41	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/15/17 06:41	1
2-Butanone (MEK)	2.2	U	5.0	2.2	ug/L			04/15/17 06:41	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/15/17 06:41	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/15/17 06:41	1
Acetone	1.1	U	5.0	1.1	ug/L			04/15/17 06:41	1
Benzene	0.090	U	1.0	0.090	ug/L			04/15/17 06:41	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/15/17 06:41	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/15/17 06:41	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/15/17 06:41	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/15/17 06:41	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/15/17 06:41	1
Chlorobromomethane	0.30	U	1.0	0.30	ug/L			04/15/17 06:41	1
Chlorodibromomethane	0.22	U	1.0	0.22	ug/L			04/15/17 06:41	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/15/17 06:41	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/15/17 06:41	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/15/17 06:41	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/15/17 06:41	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/15/17 06:41	1
Cyclohexane	0.26	U	1.0	0.26	ug/L			04/15/17 06:41	1
Dichlorobromomethane	0.15	U	1.0	0.15	ug/L			04/15/17 06:41	1
Dichlorodifluoromethane	0.14	U	1.0	0.14	ug/L			04/15/17 06:41	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/15/17 06:41	1
Ethylene Dibromide	0.19	U	1.0	0.19	ug/L			04/15/17 06:41	1
Isopropylbenzene	0.32	U	1.0	0.32	ug/L			04/15/17 06:41	1
Methyl acetate	0.58	U	5.0	0.58	ug/L			04/15/17 06:41	1
Methyl tert-butyl ether	0.13	U	1.0	0.13	ug/L			04/15/17 06:41	1
Methylcyclohexane	0.22	U	1.0	0.22	ug/L			04/15/17 06:41	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/15/17 06:41	1
m-Xylene & p-Xylene	0.28	U	1.0	0.28	ug/L			04/15/17 06:41	1
o-Xylene	0.32	U	1.0	0.32	ug/L			04/15/17 06:41	1
Styrene	0.17	U	1.0	0.17	ug/L			04/15/17 06:41	1
Tetrachloroethene	**0.86**	**J**	1.0	0.12	ug/L			04/15/17 06:41	1
Toluene	0.25	U	1.0	0.25	ug/L			04/15/17 06:41	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/15/17 06:41	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/15/17 06:41	1

Client Sample ID: 19S-42017
Lab Sample ID: 460-131030-1
Date Collected: 04/04/17 16:15
Matrix: Water
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1.5**		1.0	0.22	ug/L			04/15/17 06:41	1
Trichlorofluoromethane	0.15	U	1.0	0.15	ug/L			04/15/17 06:41	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/15/17 06:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/15/17 06:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*		*04/15/17 06:41*	*1*
4-Bromofluorobenzene	*99*		*77 - 124*		*04/15/17 06:41*	*1*
Dibromofluoromethane (Surr)	*107*		*72 - 131*		*04/15/17 06:41*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*04/15/17 06:41*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.8	U	4.0	1.8	ug/L		04/20/17 00:00	04/20/17 18:04	1
Chromium	3.3	U	10.0	3.3	ug/L		04/20/17 00:00	04/20/17 18:04	1
Copper	8.1	U	25.0	8.1	ug/L		04/20/17 00:00	04/20/17 18:04	1
Nickel	9.0	U	40.0	9.0	ug/L		04/20/17 00:00	04/20/17 18:04	1

Client Sample ID: 17S-42017
Lab Sample ID: 460-131030-2
Date Collected: 04/04/17 16:30
Matrix: Water
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.77**	**J**	1.0	0.28	ug/L			04/15/17 07:04	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/15/17 07:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34	ug/L			04/15/17 07:04	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/15/17 07:04	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/15/17 07:04	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/15/17 07:04	1
1,2,3-Trichlorobenzene	0.35	U	1.0	0.35	ug/L			04/15/17 07:04	1
1,2,4-Trichlorobenzene	0.27	U	1.0	0.27	ug/L			04/15/17 07:04	1
1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23	ug/L			04/15/17 07:04	1
1,2-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/15/17 07:04	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/15/17 07:04	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/15/17 07:04	1
1,3-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 07:04	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 07:04	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/15/17 07:04	1
2-Butanone (MEK)	2.2	U	5.0	2.2	ug/L			04/15/17 07:04	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/15/17 07:04	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/15/17 07:04	1
Acetone	1.1	U	5.0	1.1	ug/L			04/15/17 07:04	1
Benzene	0.090	U	1.0	0.090	ug/L			04/15/17 07:04	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/15/17 07:04	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/15/17 07:04	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/15/17 07:04	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/15/17 07:04	1

Client Sample ID: 17S-42017
Lab Sample ID: 460-131030-2
Date Collected: 04/04/17 16:30
Matrix: Water
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/15/17 07:04	1
Chlorobromomethane	0.30	U	1.0	0.30	ug/L			04/15/17 07:04	1
Chlorodibromomethane	0.22	U	1.0	0.22	ug/L			04/15/17 07:04	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/15/17 07:04	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/15/17 07:04	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/15/17 07:04	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/15/17 07:04	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/15/17 07:04	1
Cyclohexane	0.26	U	1.0	0.26	ug/L			04/15/17 07:04	1
Dichlorobromomethane	0.15	U	1.0	0.15	ug/L			04/15/17 07:04	1
Dichlorodifluoromethane	0.14	U	1.0	0.14	ug/L			04/15/17 07:04	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/15/17 07:04	1
Ethylene Dibromide	0.19	U	1.0	0.19	ug/L			04/15/17 07:04	1
Isopropylbenzene	0.32	U	1.0	0.32	ug/L			04/15/17 07:04	1
Methyl acetate	0.58	U	5.0	0.58	ug/L			04/15/17 07:04	1
Methyl tert-butyl ether	0.13	U	1.0	0.13	ug/L			04/15/17 07:04	1
Methylcyclohexane	0.22	U	1.0	0.22	ug/L			04/15/17 07:04	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/15/17 07:04	1
m-Xylene & p-Xylene	0.28	U	1.0	0.28	ug/L			04/15/17 07:04	1
o-Xylene	0.32	U	1.0	0.32	ug/L			04/15/17 07:04	1
Styrene	0.17	U	1.0	0.17	ug/L			04/15/17 07:04	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/15/17 07:04	1
Toluene	0.25	U	1.0	0.25	ug/L			04/15/17 07:04	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/15/17 07:04	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/15/17 07:04	1
Trichloroethene	**0.90**	**J**	1.0	0.22	ug/L			04/15/17 07:04	1
Trichlorofluoromethane	0.15	U	1.0	0.15	ug/L			04/15/17 07:04	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/15/17 07:04	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/15/17 07:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*74 - 132*		*04/15/17 07:04*	*1*
4-Bromofluorobenzene	*98*		*77 - 124*		*04/15/17 07:04*	*1*
Dibromofluoromethane (Surr)	*98*		*72 - 131*		*04/15/17 07:04*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/15/17 07:04*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.8	U	4.0	1.8	ug/L		04/21/17 01:55	04/21/17 16:14	1
Chromium	**39.1**		10.0	3.3	ug/L		04/21/17 01:55	04/21/17 16:14	1
Copper	8.1	U	25.0	8.1	ug/L		04/21/17 01:55	04/21/17 16:14	1
Nickel	**20.3**	**J**	40.0	9.0	ug/L		04/21/17 01:55	04/21/17 16:14	1

Client Sample ID: 18S-42017
Date Collected: 04/05/17 11:57
Date Received: 04/05/17 18:40

Lab Sample ID: 460-131030-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.40	0.20	ug/L			04/11/17 10:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*71 - 144*		*04/11/17 10:09*	*1*
4-Bromofluorobenzene	*106*		*72 - 133*		*04/11/17 10:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**3.5**		1.0	0.28	ug/L			04/15/17 04:46	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/15/17 04:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34	ug/L			04/15/17 04:46	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/15/17 04:46	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/15/17 04:46	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/15/17 04:46	1
1,2,3-Trichlorobenzene	0.35	U	1.0	0.35	ug/L			04/15/17 04:46	1
1,2,4-Trichlorobenzene	0.27	U	1.0	0.27	ug/L			04/15/17 04:46	1
1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23	ug/L			04/15/17 04:46	1
1,2-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/15/17 04:46	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/15/17 04:46	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/15/17 04:46	1
1,3-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 04:46	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 04:46	1
2-Butanone (MEK)	2.2	U F1	5.0	2.2	ug/L			04/15/17 04:46	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/15/17 04:46	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/15/17 04:46	1
Acetone	1.1	U	5.0	1.1	ug/L			04/15/17 04:46	1
Benzene	0.090	U	1.0	0.090	ug/L			04/15/17 04:46	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/15/17 04:46	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/15/17 04:46	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/15/17 04:46	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/15/17 04:46	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/15/17 04:46	1
Chlorobromomethane	0.30	U	1.0	0.30	ug/L			04/15/17 04:46	1
Chlorodibromomethane	0.22	U	1.0	0.22	ug/L			04/15/17 04:46	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/15/17 04:46	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/15/17 04:46	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/15/17 04:46	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/15/17 04:46	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/15/17 04:46	1
Cyclohexane	0.26	U	1.0	0.26	ug/L			04/15/17 04:46	1
Dichlorobromomethane	0.15	U	1.0	0.15	ug/L			04/15/17 04:46	1
Dichlorodifluoromethane	0.14	U	1.0	0.14	ug/L			04/15/17 04:46	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/15/17 04:46	1
Ethylene Dibromide	0.19	U	1.0	0.19	ug/L			04/15/17 04:46	1
Isopropylbenzene	0.32	U	1.0	0.32	ug/L			04/15/17 04:46	1
Methyl acetate	0.58	U	5.0	0.58	ug/L			04/15/17 04:46	1
Methyl tert-butyl ether	0.13	U	1.0	0.13	ug/L			04/15/17 04:46	1
Methylcyclohexane	0.22	U	1.0	0.22	ug/L			04/15/17 04:46	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/15/17 04:46	1
m-Xylene & p-Xylene	0.28	U	1.0	0.28	ug/L			04/15/17 04:46	1

Client Sample ID: 18S-42017 — Lab Sample ID: 460-131030-3

Date Collected: 04/05/17 11:57 — **Matrix: Water**
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.32	U	1.0	0.32	ug/L			04/15/17 04:46	1
Styrene	0.17	U	1.0	0.17	ug/L			04/15/17 04:46	1
Tetrachloroethene	**0.79**	**J**	1.0	0.12	ug/L			04/15/17 04:46	1
Toluene	0.25	U	1.0	0.25	ug/L			04/15/17 04:46	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/15/17 04:46	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/15/17 04:46	1
Trichloroethene	**11**		1.0	0.22	ug/L			04/15/17 04:46	1
Trichlorofluoromethane	0.15	U	1.0	0.15	ug/L			04/15/17 04:46	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/15/17 04:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/15/17 04:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*74 - 132*		*04/15/17 04:46*	*1*
4-Bromofluorobenzene	*100*		*77 - 124*		*04/15/17 04:46*	*1*
Dibromofluoromethane (Surr)	*100*		*72 - 131*		*04/15/17 04:46*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/15/17 04:46*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.8	U	4.0	1.8	ug/L		04/21/17 01:55	04/21/17 15:35	1
Chromium	**257**		10.0	3.3	ug/L		04/21/17 01:55	04/21/17 15:35	1
Copper	**14.3**	**J**	25.0	8.1	ug/L		04/21/17 01:55	04/21/17 15:35	1
Nickel	**136**		40.0	9.0	ug/L		04/21/17 01:55	04/21/17 15:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	**161**		10.0	2.7	ug/L			04/06/17 08:40	1

Client Sample ID: 15S-42017 — Lab Sample ID: 460-131030-4

Date Collected: 04/05/17 12:20 — **Matrix: Water**
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.40	0.20	ug/L			04/11/17 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*71 - 144*		*04/11/17 00:44*	*1*
4-Bromofluorobenzene	*85*		*72 - 133*		*04/11/17 00:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.2**		1.0	0.28	ug/L			04/15/17 07:27	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/15/17 07:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34	ug/L			04/15/17 07:27	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/15/17 07:27	1
1,1-Dichloroethane	**8.3**		1.0	0.24	ug/L			04/15/17 07:27	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/15/17 07:27	1
1,2,3-Trichlorobenzene	0.35	U	1.0	0.35	ug/L			04/15/17 07:27	1

Client Sample ID: 15S-42017

Date Collected: 04/05/17 12:20
Date Received: 04/05/17 18:40

Lab Sample ID: 460-131030-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.27	U	1.0	0.27	ug/L			04/15/17 07:27	1
1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23	ug/L			04/15/17 07:27	1
1,2-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/15/17 07:27	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/15/17 07:27	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/15/17 07:27	1
1,3-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 07:27	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 07:27	1
2-Butanone (MEK)	**120**		5.0	2.2	ug/L			04/15/17 07:27	1
2-Hexanone	**24**		5.0	0.72	ug/L			04/15/17 07:27	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/15/17 07:27	1
Acetone	**59**		5.0	1.1	ug/L			04/15/17 07:27	1
Benzene	**0.16**	**J**	1.0	0.090	ug/L			04/15/17 07:27	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/15/17 07:27	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/15/17 07:27	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/15/17 07:27	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/15/17 07:27	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/15/17 07:27	1
Chlorobromomethane	0.30	U	1.0	0.30	ug/L			04/15/17 07:27	1
Chlorodibromomethane	0.22	U	1.0	0.22	ug/L			04/15/17 07:27	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/15/17 07:27	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/15/17 07:27	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/15/17 07:27	1
cis-1,2-Dichloroethene	**2.1**		1.0	0.26	ug/L			04/15/17 07:27	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/15/17 07:27	1
Cyclohexane	0.26	U	1.0	0.26	ug/L			04/15/17 07:27	1
Dichlorobromomethane	0.15	U	1.0	0.15	ug/L			04/15/17 07:27	1
Dichlorodifluoromethane	0.14	U	1.0	0.14	ug/L			04/15/17 07:27	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/15/17 07:27	1
Ethylene Dibromide	0.19	U	1.0	0.19	ug/L			04/15/17 07:27	1
Isopropylbenzene	0.32	U	1.0	0.32	ug/L			04/15/17 07:27	1
Methyl acetate	**11**		5.0	0.58	ug/L			04/15/17 07:27	1
Methyl tert-butyl ether	0.13	U	1.0	0.13	ug/L			04/15/17 07:27	1
Methylcyclohexane	0.22	U	1.0	0.22	ug/L			04/15/17 07:27	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/15/17 07:27	1
m-Xylene & p-Xylene	**0.29**	**J**	1.0	0.28	ug/L			04/15/17 07:27	1
o-Xylene	0.32	U	1.0	0.32	ug/L			04/15/17 07:27	1
Styrene	0.17	U	1.0	0.17	ug/L			04/15/17 07:27	1
Tetrachloroethene	**0.29**	**J**	1.0	0.12	ug/L			04/15/17 07:27	1
Toluene	0.25	U	1.0	0.25	ug/L			04/15/17 07:27	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/15/17 07:27	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/15/17 07:27	1
Trichloroethene	**13**		1.0	0.22	ug/L			04/15/17 07:27	1
Trichlorofluoromethane	0.15	U	1.0	0.15	ug/L			04/15/17 07:27	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/15/17 07:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-2-methyl-	*13*	*J N*	*ug/L*		*5.24*	*96-47-9*		*04/15/17 07:27*	*1*
2-Pentanone	*50*	*J N*	*ug/L*		*5.99*	*107-87-9*		*04/15/17 07:27*	*1*
Unknown	*21*	*J*	*ug/L*		*6.24*			*04/15/17 07:27*	*1*
Unknown	*81*	*J*	*ug/L*		*7.66*			*04/15/17 07:27*	*1*

Client Sample ID: 15S-42017
Lab Sample ID: 460-131030-4
Date Collected: 04/05/17 12:20
Matrix: Water
Date Received: 04/05/17 18:40

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

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	88	J	ug/L		9.50			04/15/17 07:27	1
2-Heptanone	22	J N	ug/L		9.75	110-43-0		04/15/17 07:27	1
1-Heptanol	13	J N	ug/L		10.62	111-70-6		04/15/17 07:27	1
3-Octanone	49	J N	ug/L		10.72	106-68-3		04/15/17 07:27	1
Unknown	42	J	ug/L		10.79			04/15/17 07:27	1
1-Octanol	19	J N	ug/L		11.39	111-87-5		04/15/17 07:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		74 - 132		04/15/17 07:27	1
4-Bromofluorobenzene	102		77 - 124		04/15/17 07:27	1
Dibromofluoromethane (Surr)	104		72 - 131		04/15/17 07:27	1
Toluene-d8 (Surr)	94		80 - 120		04/15/17 07:27	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.7	U	8.0	3.7	ug/L		04/21/17 01:55	04/21/17 16:18	2
Chromium	6.6	U	20.0	6.6	ug/L		04/21/17 01:55	04/21/17 16:18	2
Copper	16.1	U	50.0	16.1	ug/L		04/21/17 01:55	04/21/17 16:18	2
Nickel	18.0	U	80.0	18.0	ug/L		04/21/17 01:55	04/21/17 16:18	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	13.7	U	50.0	13.7	ug/L			04/06/17 08:40	5

Client Sample ID: 3S-42017
Lab Sample ID: 460-131030-5
Date Collected: 04/05/17 12:40
Matrix: Water
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.40	0.20	ug/L			04/11/17 01:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	131		71 - 144		04/11/17 01:07	1
4-Bromofluorobenzene	94		72 - 133		04/11/17 01:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/18/17 15:16	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/18/17 15:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34	ug/L			04/18/17 15:16	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/18/17 15:16	1
1,1-Dichloroethane	**2.1**		1.0	0.24	ug/L			04/18/17 15:16	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/18/17 15:16	1
1,2,3-Trichlorobenzene	0.35	U	1.0	0.35	ug/L			04/18/17 15:16	1
1,2,4-Trichlorobenzene	0.27	U	1.0	0.27	ug/L			04/18/17 15:16	1
1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23	ug/L			04/18/17 15:16	1
1,2-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/18/17 15:16	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/18/17 15:16	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/18/17 15:16	1

Client Sample ID: 3S-42017
Lab Sample ID: 460-131030-5
Date Collected: 04/05/17 12:40
Matrix: Water
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/18/17 15:16	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/18/17 15:16	1
2-Butanone (MEK)	2.2	U	5.0	2.2	ug/L			04/18/17 15:16	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/18/17 15:16	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/18/17 15:16	1
Acetone	1.1	U	5.0	1.1	ug/L			04/18/17 15:16	1
Benzene	0.090	U	1.0	0.090	ug/L			04/18/17 15:16	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/18/17 15:16	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/18/17 15:16	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/18/17 15:16	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/18/17 15:16	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/18/17 15:16	1
Chlorobromomethane	0.30	U	1.0	0.30	ug/L			04/18/17 15:16	1
Chlorodibromomethane	0.22	U	1.0	0.22	ug/L			04/18/17 15:16	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/18/17 15:16	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/18/17 15:16	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/18/17 15:16	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/18/17 15:16	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/18/17 15:16	1
Cyclohexane	0.26	U	1.0	0.26	ug/L			04/18/17 15:16	1
Dichlorobromomethane	0.15	U	1.0	0.15	ug/L			04/18/17 15:16	1
Dichlorodifluoromethane	0.14	U	1.0	0.14	ug/L			04/18/17 15:16	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/18/17 15:16	1
Ethylene Dibromide	0.19	U	1.0	0.19	ug/L			04/18/17 15:16	1
Isopropylbenzene	0.32	U	1.0	0.32	ug/L			04/18/17 15:16	1
Methyl acetate	0.58	U	5.0	0.58	ug/L			04/18/17 15:16	1
Methyl tert-butyl ether	0.13	U	1.0	0.13	ug/L			04/18/17 15:16	1
Methylcyclohexane	0.22	U	1.0	0.22	ug/L			04/18/17 15:16	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/18/17 15:16	1
m-Xylene & p-Xylene	0.28	U	1.0	0.28	ug/L			04/18/17 15:16	1
o-Xylene	0.32	U	1.0	0.32	ug/L			04/18/17 15:16	1
Styrene	0.17	U	1.0	0.17	ug/L			04/18/17 15:16	1
Tetrachloroethene	**0.24**	**J**	1.0	0.12	ug/L			04/18/17 15:16	1
Toluene	0.25	U	1.0	0.25	ug/L			04/18/17 15:16	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/18/17 15:16	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/18/17 15:16	1
Trichloroethene	**1.4**		1.0	0.22	ug/L			04/18/17 15:16	1
Trichlorofluoromethane	0.15	U	1.0	0.15	ug/L			04/18/17 15:16	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/18/17 15:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/18/17 15:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*		*04/18/17 15:16*	*1*
4-Bromofluorobenzene	*99*		*77 - 124*		*04/18/17 15:16*	*1*
Dibromofluoromethane (Surr)	*99*		*72 - 131*		*04/18/17 15:16*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*04/18/17 15:16*	*1*

Client Sample ID: 3S-42017
Lab Sample ID: 460-131030-5

Date Collected: 04/05/17 12:40
Matrix: Water
Date Received: 04/05/17 18:40

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.8	U	4.0	1.8	ug/L		04/21/17 01:55	04/21/17 16:22	1
Chromium	**7.9**	**J**	10.0	3.3	ug/L		04/21/17 01:55	04/21/17 16:22	1
Copper	8.1	U	25.0	8.1	ug/L		04/21/17 01:55	04/21/17 16:22	1
Nickel	**11.9**	**J**	40.0	9.0	ug/L		04/21/17 01:55	04/21/17 16:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.7	U	10.0	2.7	ug/L			04/06/17 08:40	1

Client Sample ID: TB-42017
Lab Sample ID: 460-131030-6

Date Collected: 04/04/17 00:00
Matrix: Water
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/15/17 04:00	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/15/17 04:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34	ug/L			04/15/17 04:00	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/15/17 04:00	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/15/17 04:00	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/15/17 04:00	1
1,2,3-Trichlorobenzene	0.35	U	1.0	0.35	ug/L			04/15/17 04:00	1
1,2,4-Trichlorobenzene	0.27	U	1.0	0.27	ug/L			04/15/17 04:00	1
1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23	ug/L			04/15/17 04:00	1
1,2-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/15/17 04:00	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/15/17 04:00	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/15/17 04:00	1
1,3-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 04:00	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 04:00	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/15/17 04:00	1
2-Butanone (MEK)	2.2	U	5.0	2.2	ug/L			04/15/17 04:00	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/15/17 04:00	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/15/17 04:00	1
Acetone	1.1	U	5.0	1.1	ug/L			04/15/17 04:00	1
Benzene	0.090	U	1.0	0.090	ug/L			04/15/17 04:00	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/15/17 04:00	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/15/17 04:00	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/15/17 04:00	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/15/17 04:00	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/15/17 04:00	1
Chlorobromomethane	0.30	U	1.0	0.30	ug/L			04/15/17 04:00	1
Chlorodibromomethane	0.22	U	1.0	0.22	ug/L			04/15/17 04:00	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/15/17 04:00	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/15/17 04:00	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/15/17 04:00	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/15/17 04:00	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/15/17 04:00	1
Cyclohexane	0.26	U	1.0	0.26	ug/L			04/15/17 04:00	1
Dichlorobromomethane	0.15	U	1.0	0.15	ug/L			04/15/17 04:00	1
Dichlorodifluoromethane	0.14	U	1.0	0.14	ug/L			04/15/17 04:00	1

Client Sample ID: TB-42017
Lab Sample ID: 460-131030-6
Date Collected: 04/04/17 00:00
Matrix: Water
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/15/17 04:00	1
Ethylene Dibromide	0.19	U	1.0	0.19	ug/L			04/15/17 04:00	1
Isopropylbenzene	0.32	U	1.0	0.32	ug/L			04/15/17 04:00	1
Methyl acetate	0.58	U	5.0	0.58	ug/L			04/15/17 04:00	1
Methyl tert-butyl ether	0.13	U	1.0	0.13	ug/L			04/15/17 04:00	1
Methylcyclohexane	0.22	U	1.0	0.22	ug/L			04/15/17 04:00	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/15/17 04:00	1
m-Xylene & p-Xylene	0.28	U	1.0	0.28	ug/L			04/15/17 04:00	1
o-Xylene	0.32	U	1.0	0.32	ug/L			04/15/17 04:00	1
Styrene	0.17	U	1.0	0.17	ug/L			04/15/17 04:00	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/15/17 04:00	1
Toluene	0.25	U	1.0	0.25	ug/L			04/15/17 04:00	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/15/17 04:00	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/15/17 04:00	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/15/17 04:00	1
Trichlorofluoromethane	0.15	U	1.0	0.15	ug/L			04/15/17 04:00	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/15/17 04:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/15/17 04:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*		*04/15/17 04:00*	*1*
4-Bromofluorobenzene	*99*		*77 - 124*		*04/15/17 04:00*	*1*
Dibromofluoromethane (Surr)	*102*		*72 - 131*		*04/15/17 04:00*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/15/17 04:00*	*1*

Client Sample ID: FDup-42017
Lab Sample ID: 460-131030-7
Date Collected: 04/05/17 12:00
Matrix: Water
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.2**		1.0	0.28	ug/L			04/15/17 08:13	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/15/17 08:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34	ug/L			04/15/17 08:13	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/15/17 08:13	1
1,1-Dichloroethane	**9.2**		1.0	0.24	ug/L			04/15/17 08:13	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/15/17 08:13	1
1,2,3-Trichlorobenzene	0.35	U	1.0	0.35	ug/L			04/15/17 08:13	1
1,2,4-Trichlorobenzene	0.27	U	1.0	0.27	ug/L			04/15/17 08:13	1
1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23	ug/L			04/15/17 08:13	1
1,2-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/15/17 08:13	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/15/17 08:13	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/15/17 08:13	1
1,3-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 08:13	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 08:13	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/15/17 08:13	1
2-Butanone (MEK)	**110**		5.0	2.2	ug/L			04/15/17 08:13	1
2-Hexanone	**26**		5.0	0.72	ug/L			04/15/17 08:13	1

Client Sample ID: FDup-42017
Lab Sample ID: 460-131030-7
Date Collected: 04/05/17 12:00
Matrix: Water
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/15/17 08:13	1
Acetone	**64**		5.0	1.1	ug/L			04/15/17 08:13	1
Benzene	**0.18**	**J**	1.0	0.090	ug/L			04/15/17 08:13	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/15/17 08:13	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/15/17 08:13	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/15/17 08:13	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/15/17 08:13	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/15/17 08:13	1
Chlorobromomethane	0.30	U	1.0	0.30	ug/L			04/15/17 08:13	1
Chlorodibromomethane	0.22	U	1.0	0.22	ug/L			04/15/17 08:13	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/15/17 08:13	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/15/17 08:13	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/15/17 08:13	1
cis-1,2-Dichloroethene	**1.8**		1.0	0.26	ug/L			04/15/17 08:13	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/15/17 08:13	1
Cyclohexane	0.26	U	1.0	0.26	ug/L			04/15/17 08:13	1
Dichlorobromomethane	0.15	U	1.0	0.15	ug/L			04/15/17 08:13	1
Dichlorodifluoromethane	0.14	U	1.0	0.14	ug/L			04/15/17 08:13	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/15/17 08:13	1
Ethylene Dibromide	0.19	U	1.0	0.19	ug/L			04/15/17 08:13	1
Isopropylbenzene	0.32	U	1.0	0.32	ug/L			04/15/17 08:13	1
Methyl acetate	**8.6**		5.0	0.58	ug/L			04/15/17 08:13	1
Methyl tert-butyl ether	0.13	U	1.0	0.13	ug/L			04/15/17 08:13	1
Methylcyclohexane	0.22	U	1.0	0.22	ug/L			04/15/17 08:13	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/15/17 08:13	1
m-Xylene & p-Xylene	**0.29**	**J**	1.0	0.28	ug/L			04/15/17 08:13	1
o-Xylene	0.32	U	1.0	0.32	ug/L			04/15/17 08:13	1
Styrene	0.17	U	1.0	0.17	ug/L			04/15/17 08:13	1
Tetrachloroethene	**0.20**	**J**	1.0	0.12	ug/L			04/15/17 08:13	1
Toluene	0.25	U	1.0	0.25	ug/L			04/15/17 08:13	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/15/17 08:13	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/15/17 08:13	1
Trichloroethene	**13**		1.0	0.22	ug/L			04/15/17 08:13	1
Trichlorofluoromethane	0.15	U	1.0	0.15	ug/L			04/15/17 08:13	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/15/17 08:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*13*	*J*	*ug/L*		*5.25*			*04/15/17 08:13*	*1*
2-Pentanone	*50*	*J N*	*ug/L*		*5.99*	*107-87-9*		*04/15/17 08:13*	*1*
Unknown	*19*	*J*	*ug/L*		*6.24*			*04/15/17 08:13*	*1*
1-Pentanol	*61*	*J N*	*ug/L*		*7.66*	*71-41-0*		*04/15/17 08:13*	*1*
Unknown	*14*	*J*	*ug/L*		*8.12*			*04/15/17 08:13*	*1*
Unknown	*68*	*J*	*ug/L*		*9.50*			*04/15/17 08:13*	*1*
2-Heptanone	*20*	*J N*	*ug/L*		*9.75*	*110-43-0*		*04/15/17 08:13*	*1*
3-Octanone	*48*	*J N*	*ug/L*		*10.72*	*106-68-3*		*04/15/17 08:13*	*1*
Unknown	*39*	*J*	*ug/L*		*10.79*			*04/15/17 08:13*	*1*
1-Octanol	*17*	*J N*	*ug/L*		*11.39*	*111-87-5*		*04/15/17 08:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*		*04/15/17 08:13*	*1*

Client Sample ID: FDup-42017
Lab Sample ID: 460-131030-7
Date Collected: 04/05/17 12:00
Matrix: Water
Date Received: 04/05/17 18:40

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*77 - 124*		*04/15/17 08:13*	*1*
Dibromofluoromethane (Surr)	*104*		*72 - 131*		*04/15/17 08:13*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*04/15/17 08:13*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.7	U	8.0	3.7	ug/L		04/21/17 01:55	04/21/17 16:26	2
Chromium	**8.0**	**J**	20.0	6.6	ug/L		04/21/17 01:55	04/21/17 16:26	2
Copper	16.1	U	50.0	16.1	ug/L		04/21/17 01:55	04/21/17 16:26	2
Nickel	18.0	U	80.0	18.0	ug/L		04/21/17 01:55	04/21/17 16:26	2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	13.7	U	50.0	13.7	ug/L			04/06/17 08:40	5

Client Sample ID: FB-42017
Lab Sample ID: 460-131030-8
Date Collected: 04/05/17 10:50
Matrix: Water
Date Received: 04/05/17 18:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/15/17 04:23	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/15/17 04:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34	ug/L			04/15/17 04:23	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/15/17 04:23	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/15/17 04:23	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/15/17 04:23	1
1,2,3-Trichlorobenzene	0.35	U	1.0	0.35	ug/L			04/15/17 04:23	1
1,2,4-Trichlorobenzene	0.27	U	1.0	0.27	ug/L			04/15/17 04:23	1
1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23	ug/L			04/15/17 04:23	1
1,2-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/15/17 04:23	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/15/17 04:23	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/15/17 04:23	1
1,3-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 04:23	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 04:23	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/15/17 04:23	1
2-Butanone (MEK)	2.2	U	5.0	2.2	ug/L			04/15/17 04:23	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/15/17 04:23	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/15/17 04:23	1
Acetone	1.1	U	5.0	1.1	ug/L			04/15/17 04:23	1
Benzene	0.090	U	1.0	0.090	ug/L			04/15/17 04:23	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/15/17 04:23	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/15/17 04:23	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/15/17 04:23	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/15/17 04:23	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/15/17 04:23	1
Chlorobromomethane	0.30	U	1.0	0.30	ug/L			04/15/17 04:23	1
Chlorodibromomethane	0.22	U	1.0	0.22	ug/L			04/15/17 04:23	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/15/17 04:23	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/15/17 04:23	1

Client Sample ID: FB-42017
Date Collected: 04/05/17 10:50
Date Received: 04/05/17 18:40

Lab Sample ID: 460-131030-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.22	U	1.0	0.22	ug/L			04/15/17 04:23	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/15/17 04:23	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/15/17 04:23	1
Cyclohexane	0.26	U	1.0	0.26	ug/L			04/15/17 04:23	1
Dichlorobromomethane	0.15	U	1.0	0.15	ug/L			04/15/17 04:23	1
Dichlorodifluoromethane	0.14	U	1.0	0.14	ug/L			04/15/17 04:23	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/15/17 04:23	1
Ethylene Dibromide	0.19	U	1.0	0.19	ug/L			04/15/17 04:23	1
Isopropylbenzene	0.32	U	1.0	0.32	ug/L			04/15/17 04:23	1
Methyl acetate	0.58	U	5.0	0.58	ug/L			04/15/17 04:23	1
Methyl tert-butyl ether	0.13	U	1.0	0.13	ug/L			04/15/17 04:23	1
Methylcyclohexane	0.22	U	1.0	0.22	ug/L			04/15/17 04:23	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/15/17 04:23	1
m-Xylene & p-Xylene	0.28	U	1.0	0.28	ug/L			04/15/17 04:23	1
o-Xylene	0.32	U	1.0	0.32	ug/L			04/15/17 04:23	1
Styrene	0.17	U	1.0	0.17	ug/L			04/15/17 04:23	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/15/17 04:23	1
Toluene	0.25	U	1.0	0.25	ug/L			04/15/17 04:23	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/15/17 04:23	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/15/17 04:23	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/15/17 04:23	1
Trichlorofluoromethane	0.15	U	1.0	0.15	ug/L			04/15/17 04:23	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/15/17 04:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/15/17 04:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*74 - 132*		*04/15/17 04:23*	*1*
4-Bromofluorobenzene	*98*		*77 - 124*		*04/15/17 04:23*	*1*
Dibromofluoromethane (Surr)	*102*		*72 - 131*		*04/15/17 04:23*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*04/15/17 04:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.8	U	4.0	1.8	ug/L		04/21/17 01:55	04/21/17 16:30	1
Chromium	3.3	U	10.0	3.3	ug/L		04/21/17 01:55	04/21/17 16:30	1
Copper	8.1	U	25.0	8.1	ug/L		04/21/17 01:55	04/21/17 16:30	1
Nickel	9.0	U	40.0	9.0	ug/L		04/21/17 01:55	04/21/17 16:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.7	U	10.0	2.7	ug/L			04/06/17 08:40	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC Genzale Plating Co. Site # 130018

TestAmerica Job ID: 460-131030-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
460-131030-1	19S-42017	97	99	107	92
460-131030-2	17S-42017	94	98	98	93
460-131030-3	18S-42017	91	100	100	91
460-131030-3 MS	18S-42017	92	98	102	94
460-131030-3 MSD	18S-42017	96	97	103	95
460-131030-4	15S-42017	94	102	104	94
460-131030-5	3S-42017	95	99	99	96
460-131030-6	TB-42017	95	99	102	93
460-131030-7	FDup-42017	95	98	104	91
460-131030-8	FB-42017	92	98	102	93
LCS 460-430489/4	Lab Control Sample	95	101	101	91
LCS 460-431214/4	Lab Control Sample	98	105	101	101
LCSD 460-431214/5	Lab Control Sample Dup	94	103	98	100
MB 460-430489/7	Method Blank	96	100	104	94
MB 460-431214/8	Method Blank	95	101	102	98

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	12DCE (71-144)	BFB (72-133)
460-131030-3	18S-42017	115	106
460-131030-4	15S-42017	116	85
460-131030-5	3S-42017	131	94
LCS 460-429360/5	Lab Control Sample	121	109
LCS 460-429447/3	Lab Control Sample	97	109
LCSD 460-429360/6	Lab Control Sample Dup	117	109
LCSD 460-429447/4	Lab Control Sample Dup	124	105
MB 460-429360/7	Method Blank	132	110
MB 460-429447/7	Method Blank	125	102

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene

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

Lab Sample ID: MB 460-430489/7
Matrix: Water
Analysis Batch: 430489

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/15/17 02:51	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/15/17 02:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34	ug/L			04/15/17 02:51	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/15/17 02:51	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/15/17 02:51	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/15/17 02:51	1
1,2,3-Trichlorobenzene	0.35	U	1.0	0.35	ug/L			04/15/17 02:51	1
1,2,4-Trichlorobenzene	0.27	U	1.0	0.27	ug/L			04/15/17 02:51	1
1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23	ug/L			04/15/17 02:51	1
1,2-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/15/17 02:51	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/15/17 02:51	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/15/17 02:51	1
1,3-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 02:51	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/15/17 02:51	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/15/17 02:51	1
2-Butanone (MEK)	2.2	U	5.0	2.2	ug/L			04/15/17 02:51	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/15/17 02:51	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/15/17 02:51	1
Acetone	1.1	U	5.0	1.1	ug/L			04/15/17 02:51	1
Benzene	0.090	U	1.0	0.090	ug/L			04/15/17 02:51	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/15/17 02:51	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/15/17 02:51	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/15/17 02:51	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/15/17 02:51	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/15/17 02:51	1
Chlorobromomethane	0.30	U	1.0	0.30	ug/L			04/15/17 02:51	1
Chlorodibromomethane	0.22	U	1.0	0.22	ug/L			04/15/17 02:51	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/15/17 02:51	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/15/17 02:51	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/15/17 02:51	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/15/17 02:51	1
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/15/17 02:51	1
Cyclohexane	0.26	U	1.0	0.26	ug/L			04/15/17 02:51	1
Dichlorobromomethane	0.15	U	1.0	0.15	ug/L			04/15/17 02:51	1
Dichlorodifluoromethane	0.14	U	1.0	0.14	ug/L			04/15/17 02:51	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/15/17 02:51	1
Ethylene Dibromide	0.19	U	1.0	0.19	ug/L			04/15/17 02:51	1
Isopropylbenzene	0.32	U	1.0	0.32	ug/L			04/15/17 02:51	1
Methyl acetate	0.58	U	5.0	0.58	ug/L			04/15/17 02:51	1
Methyl tert-butyl ether	0.13	U	1.0	0.13	ug/L			04/15/17 02:51	1
Methylcyclohexane	0.22	U	1.0	0.22	ug/L			04/15/17 02:51	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/15/17 02:51	1
m-Xylene & p-Xylene	0.28	U	1.0	0.28	ug/L			04/15/17 02:51	1
o-Xylene	0.32	U	1.0	0.32	ug/L			04/15/17 02:51	1
Styrene	0.17	U	1.0	0.17	ug/L			04/15/17 02:51	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/15/17 02:51	1
Toluene	0.25	U	1.0	0.25	ug/L			04/15/17 02:51	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/15/17 02:51	1

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

Lab Sample ID: MB 460-430489/7
Matrix: Water
Analysis Batch: 430489

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/15/17 02:51	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/15/17 02:51	1
Trichlorofluoromethane	0.15	U	1.0	0.15	ug/L			04/15/17 02:51	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/15/17 02:51	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/15/17 02:51*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*74 - 132*		*04/15/17 02:51*	*1*
4-Bromofluorobenzene	*100*		*77 - 124*		*04/15/17 02:51*	*1*
Dibromofluoromethane (Surr)	*104*		*72 - 131*		*04/15/17 02:51*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*04/15/17 02:51*	*1*

Lab Sample ID: LCS 460-430489/4
Matrix: Water
Analysis Batch: 430489

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	19.0		ug/L		95	75 - 125
1,1,2,2-Tetrachloroethane	20.0	18.1		ug/L		91	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	13.1		ug/L		66	59 - 150
1,1,2-Trichloroethane	20.0	19.8		ug/L		99	78 - 120
1,1-Dichloroethane	20.0	20.2		ug/L		101	77 - 123
1,1-Dichloroethene	20.0	20.0		ug/L		100	74 - 123
1,2,3-Trichlorobenzene	20.0	20.5		ug/L		102	78 - 131
1,2,4-Trichlorobenzene	20.0	21.1		ug/L		106	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	19.8		ug/L		99	55 - 134
1,2-Dichlorobenzene	20.0	21.5		ug/L		108	80 - 120
1,2-Dichloroethane	20.0	20.4		ug/L		102	76 - 121
1,2-Dichloropropane	20.0	17.9		ug/L		90	77 - 123
1,3-Dichlorobenzene	20.0	21.3		ug/L		107	80 - 120
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120
1,4-Dioxane	400	485		ug/L		121	10 - 150
2-Butanone (MEK)	100	112		ug/L		112	64 - 120
2-Hexanone	100	95.4		ug/L		95	71 - 125
4-Methyl-2-pentanone (MIBK)	100	94.9		ug/L		95	78 - 124
Acetone	100	102		ug/L		102	39 - 150
Benzene	20.0	20.0		ug/L		100	77 - 121
Bromoform	20.0	20.3		ug/L		101	53 - 120
Bromomethane	20.0	20.4		ug/L		102	10 - 150
Carbon disulfide	20.0	16.4		ug/L		82	69 - 133
Carbon tetrachloride	20.0	21.0		ug/L		105	70 - 132
Chlorobenzene	20.0	21.0		ug/L		105	80 - 120
Chlorobromomethane	20.0	23.2		ug/L		116	77 - 127
Chlorodibromomethane	20.0	20.6		ug/L		103	73 - 120
Chloroethane	20.0	19.5		ug/L		98	52 - 150

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

Lab Sample ID: LCS 460-430489/4
Matrix: Water
Analysis Batch: 430489

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	20.0	21.5		ug/L		108	80 - 120
Chloromethane	20.0	21.0		ug/L		105	56 - 131
cis-1,2-Dichloroethene	20.0	21.8		ug/L		109	80 - 120
cis-1,3-Dichloropropene	20.0	18.2		ug/L		91	77 - 120
Cyclohexane	20.0	17.0		ug/L		85	56 - 150
Dichlorobromomethane	20.0	19.9		ug/L		99	76 - 120
Dichlorodifluoromethane	20.0	18.1		ug/L		91	50 - 131
Ethylbenzene	20.0	21.1		ug/L		106	80 - 120
Ethylene Dibromide	20.0	21.7		ug/L		109	80 - 120
Isopropylbenzene	20.0	20.7		ug/L		103	80 - 123
Methyl acetate	100	103		ug/L		103	66 - 144
Methyl tert-butyl ether	20.0	16.3		ug/L		81	79 - 122
Methylcyclohexane	20.0	21.0		ug/L		105	61 - 145
Methylene Chloride	20.0	18.7		ug/L		94	77 - 123
m-Xylene & p-Xylene	20.0	20.9		ug/L		104	80 - 120
o-Xylene	20.0	20.2		ug/L		101	80 - 120
Styrene	20.0	21.3		ug/L		106	80 - 120
Tetrachloroethene	20.0	23.2		ug/L		116	78 - 122
Toluene	20.0	20.3		ug/L		101	80 - 120
trans-1,2-Dichloroethene	20.0	22.5		ug/L		112	79 - 120
trans-1,3-Dichloropropene	20.0	18.9		ug/L		95	76 - 120
Trichloroethene	20.0	22.2		ug/L		111	77 - 120
Trichlorofluoromethane	20.0	18.3		ug/L		92	71 - 143
Vinyl chloride	20.0	17.3		ug/L		86	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*
4-Bromofluorobenzene	*101*		*77 - 124*
Dibromofluoromethane (Surr)	*101*		*72 - 131*
Toluene-d8 (Surr)	*91*		*80 - 120*

Lab Sample ID: 460-131030-3 MS
Matrix: Water
Analysis Batch: 430489

Client Sample ID: 18S-42017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	3.5		20.0	21.5		ug/L		90	75 - 125
1,1,2,2-Tetrachloroethane	0.19	U	20.0	19.7		ug/L		98	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	20.0	13.3		ug/L		66	59 - 150
1,1,2-Trichloroethane	0.080	U	20.0	19.6		ug/L		98	78 - 120
1,1-Dichloroethane	0.24	U	20.0	20.6		ug/L		103	77 - 123
1,1-Dichloroethene	0.34	U	20.0	20.4		ug/L		102	74 - 123
1,2,3-Trichlorobenzene	0.35	U	20.0	20.7		ug/L		104	78 - 131
1,2,4-Trichlorobenzene	0.27	U	20.0	20.4		ug/L		102	80 - 124
1,2-Dibromo-3-Chloropropane	0.23	U	20.0	18.3		ug/L		92	55 - 134
1,2-Dichlorobenzene	0.22	U	20.0	22.0		ug/L		110	80 - 120
1,2-Dichloroethane	0.25	U	20.0	20.0		ug/L		100	76 - 121

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

Lab Sample ID: 460-131030-3 MS
Matrix: Water
Analysis Batch: 430489

Client Sample ID: 18S-42017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	0.18	U	20.0	17.7		ug/L		89	77 - 123
1,3-Dichlorobenzene	0.33	U	20.0	21.5		ug/L		108	80 - 120
1,4-Dichlorobenzene	0.33	U	20.0	21.7		ug/L		108	80 - 120
1,4-Dioxane	8.7	U	400	444		ug/L		111	10 - 150
2-Butanone (MEK)	2.2	U F1	100	121	F1	ug/L		121	64 - 120
2-Hexanone	0.72	U	100	105		ug/L		105	71 - 125
4-Methyl-2-pentanone (MIBK)	0.63	U	100	114		ug/L		114	78 - 124
Acetone	1.1	U	100	107		ug/L		107	39 - 150
Benzene	0.090	U	20.0	21.0		ug/L		105	77 - 121
Bromoform	0.18	U	20.0	19.2		ug/L		96	53 - 120
Bromomethane	0.18	U	20.0	18.7		ug/L		94	10 - 150
Carbon disulfide	0.22	U	20.0	15.6		ug/L		78	69 - 133
Carbon tetrachloride	0.33	U	20.0	20.6		ug/L		103	70 - 132
Chlorobenzene	0.24	U	20.0	21.3		ug/L		106	80 - 120
Chlorobromomethane	0.30	U	20.0	22.6		ug/L		113	77 - 127
Chlorodibromomethane	0.22	U	20.0	20.5		ug/L		102	73 - 120
Chloroethane	0.37	U	20.0	18.1		ug/L		91	52 - 150
Chloroform	0.22	U	20.0	22.0		ug/L		110	80 - 120
Chloromethane	0.22	U	20.0	19.9		ug/L		100	56 - 131
cis-1,2-Dichloroethene	0.26	U	20.0	22.2		ug/L		111	80 - 120
cis-1,3-Dichloropropene	0.16	U	20.0	17.5		ug/L		87	77 - 120
Cyclohexane	0.26	U	20.0	16.5		ug/L		83	56 - 150
Dichlorobromomethane	0.15	U	20.0	18.9		ug/L		95	76 - 120
Dichlorodifluoromethane	0.14	U	20.0	16.6		ug/L		83	50 - 131
Ethylbenzene	0.30	U	20.0	21.9		ug/L		110	80 - 120
Ethylene Dibromide	0.19	U	20.0	21.0		ug/L		105	80 - 120
Isopropylbenzene	0.32	U	20.0	20.7		ug/L		103	80 - 123
Methyl acetate	0.58	U	100	97.5		ug/L		98	66 - 144
Methyl tert-butyl ether	0.13	U	20.0	16.0		ug/L		80	79 - 122
Methylcyclohexane	0.22	U	20.0	19.3		ug/L		97	61 - 145
Methylene Chloride	0.21	U	20.0	19.3		ug/L		96	77 - 123
m-Xylene & p-Xylene	0.28	U	20.0	21.3		ug/L		106	80 - 120
o-Xylene	0.32	U	20.0	20.9		ug/L		105	80 - 120
Styrene	0.17	U	20.0	21.3		ug/L		107	80 - 120
Tetrachloroethene	0.79	J	20.0	25.3		ug/L		122	78 - 122
Toluene	0.25	U	20.0	21.5		ug/L		107	80 - 120
trans-1,2-Dichloroethene	0.18	U	20.0	22.0		ug/L		110	79 - 120
trans-1,3-Dichloropropene	0.19	U	20.0	17.3		ug/L		87	76 - 120
Trichloroethene	11		20.0	30.1		ug/L		94	77 - 120
Trichlorofluoromethane	0.15	U	20.0	17.4		ug/L		87	71 - 143
Vinyl chloride	0.060	U	20.0	16.4		ug/L		82	62 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*74 - 132*
4-Bromofluorobenzene	*98*		*77 - 124*
Dibromofluoromethane (Surr)	*102*		*72 - 131*
Toluene-d8 (Surr)	*94*		*80 - 120*

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

Lab Sample ID: 460-131030-3 MSD
Matrix: Water
Analysis Batch: 430489

Client Sample ID: 18S-42017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	3.5		20.0	20.7		ug/L		86	75 - 125	4	30
1,1,2,2-Tetrachloroethane	0.19	U	20.0	18.2		ug/L		91	74 - 120	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	20.0	12.7		ug/L		64	59 - 150	4	30
1,1,2-Trichloroethane	0.080	U	20.0	19.2		ug/L		96	78 - 120	2	30
1,1-Dichloroethane	0.24	U	20.0	20.1		ug/L		100	77 - 123	3	30
1,1-Dichloroethene	0.34	U	20.0	17.2		ug/L		86	74 - 123	17	30
1,2,3-Trichlorobenzene	0.35	U	20.0	19.3		ug/L		96	78 - 131	7	30
1,2,4-Trichlorobenzene	0.27	U	20.0	19.8		ug/L		99	80 - 124	3	30
1,2-Dibromo-3-Chloropropane	0.23	U	20.0	17.1		ug/L		85	55 - 134	7	30
1,2-Dichlorobenzene	0.22	U	20.0	21.1		ug/L		105	80 - 120	4	30
1,2-Dichloroethane	0.25	U	20.0	20.6		ug/L		103	76 - 121	3	30
1,2-Dichloropropane	0.18	U	20.0	17.6		ug/L		88	77 - 123	1	30
1,3-Dichlorobenzene	0.33	U	20.0	20.6		ug/L		103	80 - 120	5	30
1,4-Dichlorobenzene	0.33	U	20.0	20.0		ug/L		100	80 - 120	8	30
1,4-Dioxane	8.7	U	400	502		ug/L		125	10 - 150	12	30
2-Butanone (MEK)	2.2	U F1	100	106		ug/L		106	64 - 120	14	30
2-Hexanone	0.72	U	100	102		ug/L		102	71 - 125	3	30
4-Methyl-2-pentanone (MIBK)	0.63	U	100	106		ug/L		106	78 - 124	8	30
Acetone	1.1	U	100	106		ug/L		106	39 - 150	1	30
Benzene	0.090	U	20.0	19.8		ug/L		99	77 - 121	5	30
Bromoform	0.18	U	20.0	18.3		ug/L		92	53 - 120	5	30
Bromomethane	0.18	U	20.0	19.1		ug/L		96	10 - 150	2	30
Carbon disulfide	0.22	U	20.0	15.0		ug/L		75	69 - 133	4	30
Carbon tetrachloride	0.33	U	20.0	20.1		ug/L		101	70 - 132	2	30
Chlorobenzene	0.24	U	20.0	20.4		ug/L		102	80 - 120	4	30
Chlorobromomethane	0.30	U	20.0	21.6		ug/L		108	77 - 127	5	30
Chlorodibromomethane	0.22	U	20.0	19.1		ug/L		96	73 - 120	7	30
Chloroethane	0.37	U	20.0	17.7		ug/L		88	52 - 150	3	30
Chloroform	0.22	U	20.0	21.5		ug/L		108	80 - 120	2	30
Chloromethane	0.22	U	20.0	20.2		ug/L		101	56 - 131	1	30
cis-1,2-Dichloroethene	0.26	U	20.0	21.7		ug/L		108	80 - 120	2	30
cis-1,3-Dichloropropene	0.16	U	20.0	16.7		ug/L		83	77 - 120	5	30
Cyclohexane	0.26	U	20.0	16.1		ug/L		81	56 - 150	3	30
Dichlorobromomethane	0.15	U	20.0	18.2		ug/L		91	76 - 120	4	30
Dichlorodifluoromethane	0.14	U	20.0	16.7		ug/L		84	50 - 131	1	30
Ethylbenzene	0.30	U	20.0	20.2		ug/L		101	80 - 120	8	30
Ethylene Dibromide	0.19	U	20.0	20.7		ug/L		104	80 - 120	1	30
Isopropylbenzene	0.32	U	20.0	19.5		ug/L		98	80 - 123	6	30
Methyl acetate	0.58	U	100	92.8		ug/L		93	66 - 144	5	30
Methyl tert-butyl ether	0.13	U	20.0	16.0		ug/L		80	79 - 122	0	30
Methylcyclohexane	0.22	U	20.0	19.4		ug/L		97	61 - 145	1	30
Methylene Chloride	0.21	U	20.0	19.2		ug/L		96	77 - 123	1	30
m-Xylene & p-Xylene	0.28	U	20.0	20.9		ug/L		105	80 - 120	2	30
o-Xylene	0.32	U	20.0	19.9		ug/L		99	80 - 120	5	30
Styrene	0.17	U	20.0	20.4		ug/L		102	80 - 120	5	30
Tetrachloroethene	0.79	J	20.0	22.8		ug/L		110	78 - 122	10	30
Toluene	0.25	U	20.0	20.4		ug/L		102	80 - 120	5	30

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

Lab Sample ID: 460-131030-3 MSD
Matrix: Water
Analysis Batch: 430489

Client Sample ID: 18S-42017
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,2-Dichloroethene	0.18	U	20.0	20.7		ug/L		103	79 - 120	6	30
trans-1,3-Dichloropropene	0.19	U	20.0	17.2		ug/L		86	76 - 120	1	30
Trichloroethene	11		20.0	29.9		ug/L		92	77 - 120	1	30
Trichlorofluoromethane	0.15	U	20.0	17.4		ug/L		87	71 - 143	0	30
Vinyl chloride	0.060	U	20.0	16.6		ug/L		83	62 - 138	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*74 - 132*
4-Bromofluorobenzene	*97*		*77 - 124*
Dibromofluoromethane (Surr)	*103*		*72 - 131*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 460-431214/8
Matrix: Water
Analysis Batch: 431214

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.28	U	1.0	0.28	ug/L			04/18/17 14:52	1
1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19	ug/L			04/18/17 14:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34	ug/L			04/18/17 14:52	1
1,1,2-Trichloroethane	0.080	U	1.0	0.080	ug/L			04/18/17 14:52	1
1,1-Dichloroethane	0.24	U	1.0	0.24	ug/L			04/18/17 14:52	1
1,1-Dichloroethene	0.34	U	1.0	0.34	ug/L			04/18/17 14:52	1
1,2,3-Trichlorobenzene	0.35	U	1.0	0.35	ug/L			04/18/17 14:52	1
1,2,4-Trichlorobenzene	0.27	U	1.0	0.27	ug/L			04/18/17 14:52	1
1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23	ug/L			04/18/17 14:52	1
1,2-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/18/17 14:52	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			04/18/17 14:52	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			04/18/17 14:52	1
1,3-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/18/17 14:52	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/18/17 14:52	1
1,4-Dioxane	8.7	U	50	8.7	ug/L			04/18/17 14:52	1
2-Butanone (MEK)	2.2	U	5.0	2.2	ug/L			04/18/17 14:52	1
2-Hexanone	0.72	U	5.0	0.72	ug/L			04/18/17 14:52	1
4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63	ug/L			04/18/17 14:52	1
Acetone	1.1	U	5.0	1.1	ug/L			04/18/17 14:52	1
Benzene	0.090	U	1.0	0.090	ug/L			04/18/17 14:52	1
Bromoform	0.18	U	1.0	0.18	ug/L			04/18/17 14:52	1
Bromomethane	0.18	U	1.0	0.18	ug/L			04/18/17 14:52	1
Carbon disulfide	0.22	U	1.0	0.22	ug/L			04/18/17 14:52	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			04/18/17 14:52	1
Chlorobenzene	0.24	U	1.0	0.24	ug/L			04/18/17 14:52	1
Chlorobromomethane	0.30	U	1.0	0.30	ug/L			04/18/17 14:52	1
Chlorodibromomethane	0.22	U	1.0	0.22	ug/L			04/18/17 14:52	1
Chloroethane	0.37	U	1.0	0.37	ug/L			04/18/17 14:52	1
Chloroform	0.22	U	1.0	0.22	ug/L			04/18/17 14:52	1
Chloromethane	0.22	U	1.0	0.22	ug/L			04/18/17 14:52	1
cis-1,2-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/18/17 14:52	1

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

Lab Sample ID: MB 460-431214/8
Matrix: Water
Analysis Batch: 431214

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.16	U	1.0	0.16	ug/L			04/18/17 14:52	1
Cyclohexane	0.26	U	1.0	0.26	ug/L			04/18/17 14:52	1
Dichlorobromomethane	0.15	U	1.0	0.15	ug/L			04/18/17 14:52	1
Dichlorodifluoromethane	0.14	U	1.0	0.14	ug/L			04/18/17 14:52	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/18/17 14:52	1
Ethylene Dibromide	0.19	U	1.0	0.19	ug/L			04/18/17 14:52	1
Isopropylbenzene	0.32	U	1.0	0.32	ug/L			04/18/17 14:52	1
Methyl acetate	0.58	U	5.0	0.58	ug/L			04/18/17 14:52	1
Methyl tert-butyl ether	0.13	U	1.0	0.13	ug/L			04/18/17 14:52	1
Methylcyclohexane	0.22	U	1.0	0.22	ug/L			04/18/17 14:52	1
Methylene Chloride	0.21	U	1.0	0.21	ug/L			04/18/17 14:52	1
m-Xylene & p-Xylene	0.28	U	1.0	0.28	ug/L			04/18/17 14:52	1
o-Xylene	0.32	U	1.0	0.32	ug/L			04/18/17 14:52	1
Styrene	0.17	U	1.0	0.17	ug/L			04/18/17 14:52	1
Tetrachloroethene	0.12	U	1.0	0.12	ug/L			04/18/17 14:52	1
Toluene	0.25	U	1.0	0.25	ug/L			04/18/17 14:52	1
trans-1,2-Dichloroethene	0.18	U	1.0	0.18	ug/L			04/18/17 14:52	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			04/18/17 14:52	1
Trichloroethene	0.22	U	1.0	0.22	ug/L			04/18/17 14:52	1
Trichlorofluoromethane	0.15	U	1.0	0.15	ug/L			04/18/17 14:52	1
Vinyl chloride	0.060	U	1.0	0.060	ug/L			04/18/17 14:52	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*04/18/17 14:52*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*		*04/18/17 14:52*	*1*
4-Bromofluorobenzene	*101*		*77 - 124*		*04/18/17 14:52*	*1*
Dibromofluoromethane (Surr)	*102*		*72 - 131*		*04/18/17 14:52*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/18/17 14:52*	*1*

Lab Sample ID: LCS 460-431214/4
Matrix: Water
Analysis Batch: 431214

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	20.3		ug/L		102	75 - 125
1,1,2,2-Tetrachloroethane	20.0	17.7		ug/L		89	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.2		ug/L		106	59 - 150
1,1,2-Trichloroethane	20.0	17.9		ug/L		90	78 - 120
1,1-Dichloroethane	20.0	18.8		ug/L		94	77 - 123
1,1-Dichloroethene	20.0	19.4		ug/L		97	74 - 123
1,2,3-Trichlorobenzene	20.0	20.0		ug/L		100	78 - 131
1,2,4-Trichlorobenzene	20.0	19.8		ug/L		99	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	18.4		ug/L		92	55 - 134
1,2-Dichlorobenzene	20.0	19.9		ug/L		99	80 - 120
1,2-Dichloroethane	20.0	18.3		ug/L		91	76 - 121

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

Lab Sample ID: LCS 460-431214/4
Matrix: Water
Analysis Batch: 431214

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	20.0	18.4		ug/L		92	77 - 123
1,3-Dichlorobenzene	20.0	19.5		ug/L		98	80 - 120
1,4-Dichlorobenzene	20.0	19.1		ug/L		96	80 - 120
1,4-Dioxane	400	386		ug/L		97	10 - 150
2-Butanone (MEK)	100	79.4		ug/L		79	64 - 120
2-Hexanone	100	88.7		ug/L		89	71 - 125
4-Methyl-2-pentanone (MIBK)	100	92.5		ug/L		93	78 - 124
Acetone	100	79.9		ug/L		80	39 - 150
Benzene	20.0	19.1		ug/L		95	77 - 121
Bromoform	20.0	18.0		ug/L		90	53 - 120
Bromomethane	20.0	19.6		ug/L		98	10 - 150
Carbon disulfide	20.0	20.0		ug/L		100	69 - 133
Carbon tetrachloride	20.0	21.3		ug/L		107	70 - 132
Chlorobenzene	20.0	19.2		ug/L		96	80 - 120
Chlorobromomethane	20.0	17.9		ug/L		89	77 - 127
Chlorodibromomethane	20.0	17.5		ug/L		88	73 - 120
Chloroethane	20.0	23.8		ug/L		119	52 - 150
Chloroform	20.0	17.8		ug/L		89	80 - 120
Chloromethane	20.0	19.7		ug/L		99	56 - 131
cis-1,2-Dichloroethene	20.0	18.1		ug/L		90	80 - 120
cis-1,3-Dichloropropene	20.0	17.4		ug/L		87	77 - 120
Cyclohexane	20.0	22.4		ug/L		112	56 - 150
Dichlorobromomethane	20.0	18.6		ug/L		93	76 - 120
Dichlorodifluoromethane	20.0	20.3		ug/L		101	50 - 131
Ethylbenzene	20.0	19.2		ug/L		96	80 - 120
Ethylene Dibromide	20.0	18.4		ug/L		92	80 - 120
Isopropylbenzene	20.0	21.3		ug/L		106	80 - 123
Methyl acetate	100	90.9		ug/L		91	66 - 144
Methyl tert-butyl ether	20.0	20.2		ug/L		101	79 - 122
Methylcyclohexane	20.0	23.5		ug/L		118	61 - 145
Methylene Chloride	20.0	19.1		ug/L		95	77 - 123
m-Xylene & p-Xylene	20.0	19.7		ug/L		99	80 - 120
o-Xylene	20.0	19.9		ug/L		100	80 - 120
Styrene	20.0	20.0		ug/L		100	80 - 120
Tetrachloroethene	20.0	20.4		ug/L		102	78 - 122
Toluene	20.0	19.3		ug/L		97	80 - 120
trans-1,2-Dichloroethene	20.0	18.6		ug/L		93	79 - 120
trans-1,3-Dichloropropene	20.0	17.7		ug/L		89	76 - 120
Trichloroethene	20.0	18.7		ug/L		93	77 - 120
Trichlorofluoromethane	20.0	23.7		ug/L		119	71 - 143
Vinyl chloride	20.0	22.6		ug/L		113	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*
4-Bromofluorobenzene	*105*		*77 - 124*
Dibromofluoromethane (Surr)	*101*		*72 - 131*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: LCSD 460-431214/5
Matrix: Water
Analysis Batch: 431214

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	20.1		ug/L		100	75 - 125	1	30
1,1,2,2-Tetrachloroethane			20.0	18.1		ug/L		90	74 - 120	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	19.9		ug/L		99	59 - 150	6	30
1,1,2-Trichloroethane			20.0	17.8		ug/L		89	78 - 120	0	30
1,1-Dichloroethane			20.0	19.2		ug/L		96	77 - 123	2	30
1,1-Dichloroethene			20.0	19.3		ug/L		97	74 - 123	0	30
1,2,3-Trichlorobenzene			20.0	20.8		ug/L		104	78 - 131	4	30
1,2,4-Trichlorobenzene			20.0	20.1		ug/L		101	80 - 124	1	30
1,2-Dibromo-3-Chloropropane			20.0	19.0		ug/L		95	55 - 134	3	30
1,2-Dichlorobenzene			20.0	19.8		ug/L		99	80 - 120	0	30
1,2-Dichloroethane			20.0	17.5		ug/L		88	76 - 121	4	30
1,2-Dichloropropane			20.0	18.1		ug/L		90	77 - 123	2	30
1,3-Dichlorobenzene			20.0	19.6		ug/L		98	80 - 120	0	30
1,4-Dichlorobenzene			20.0	20.1		ug/L		100	80 - 120	5	30
1,4-Dioxane			400	395		ug/L		99	10 - 150	2	30
2-Butanone (MEK)			100	89.0		ug/L		89	64 - 120	11	30
2-Hexanone			100	96.4		ug/L		96	71 - 125	8	30
4-Methyl-2-pentanone (MIBK)			100	96.6		ug/L		97	78 - 124	4	30
Acetone			100	91.5		ug/L		92	39 - 150	14	30
Benzene			20.0	19.2		ug/L		96	77 - 121	1	30
Bromoform			20.0	18.5		ug/L		93	53 - 120	3	30
Bromomethane			20.0	17.1		ug/L		85	10 - 150	14	30
Carbon disulfide			20.0	20.5		ug/L		103	69 - 133	3	30
Carbon tetrachloride			20.0	21.0		ug/L		105	70 - 132	1	30
Chlorobenzene			20.0	19.4		ug/L		97	80 - 120	1	30
Chlorobromomethane			20.0	18.7		ug/L		93	77 - 127	4	30
Chlorodibromomethane			20.0	18.2		ug/L		91	73 - 120	4	30
Chloroethane			20.0	19.9		ug/L		99	52 - 150	18	30
Chloroform			20.0	18.4		ug/L		92	80 - 120	3	30
Chloromethane			20.0	17.3		ug/L		87	56 - 131	13	30
cis-1,2-Dichloroethene			20.0	19.1		ug/L		96	80 - 120	6	30
cis-1,3-Dichloropropene			20.0	18.5		ug/L		92	77 - 120	6	30
Cyclohexane			20.0	22.9		ug/L		114	56 - 150	2	30
Dichlorobromomethane			20.0	17.9		ug/L		89	76 - 120	4	30
Dichlorodifluoromethane			20.0	18.0		ug/L		90	50 - 131	12	30
Ethylbenzene			20.0	19.2		ug/L		96	80 - 120	0	30
Ethylene Dibromide			20.0	18.1		ug/L		90	80 - 120	1	30
Isopropylbenzene			20.0	21.5		ug/L		107	80 - 123	1	30
Methyl acetate			100	91.8		ug/L		92	66 - 144	1	30
Methyl tert-butyl ether			20.0	20.2		ug/L		101	79 - 122	0	30
Methylcyclohexane			20.0	23.0		ug/L		115	61 - 145	2	30
Methylene Chloride			20.0	18.5		ug/L		92	77 - 123	3	30
m-Xylene & p-Xylene			20.0	19.6		ug/L		98	80 - 120	1	30
o-Xylene			20.0	20.0		ug/L		100	80 - 120	0	30
Styrene			20.0	20.4		ug/L		102	80 - 120	2	30
Tetrachloroethene			20.0	20.2		ug/L		101	78 - 122	1	30
Toluene			20.0	19.6		ug/L		98	80 - 120	1	30

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

Lab Sample ID: LCSD 460-431214/5
Matrix: Water
Analysis Batch: 431214

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,2-Dichloroethene			20.0	19.1		ug/L		95	79 - 120	3	30
trans-1,3-Dichloropropene			20.0	17.7		ug/L		88	76 - 120	0	30
Trichloroethene			20.0	18.2		ug/L		91	77 - 120	3	30
Trichlorofluoromethane			20.0	22.1		ug/L		111	71 - 143	7	30
Vinyl chloride			20.0	19.6		ug/L		98	62 - 138	14	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*74 - 132*
4-Bromofluorobenzene	*103*		*77 - 124*
Dibromofluoromethane (Surr)	*98*		*72 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*

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

Lab Sample ID: MB 460-429360/7
Matrix: Water
Analysis Batch: 429360

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.40	0.20	ug/L			04/10/17 20:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*132*		*71 - 144*		*04/10/17 20:00*	*1*
4-Bromofluorobenzene	*110*		*72 - 133*		*04/10/17 20:00*	*1*

Lab Sample ID: LCS 460-429360/5
Matrix: Water
Analysis Batch: 429360

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane			5.00	5.09		ug/L		102	66 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*121*		*71 - 144*
4-Bromofluorobenzene	*109*		*72 - 133*

Lab Sample ID: LCSD 460-429360/6
Matrix: Water
Analysis Batch: 429360

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane			5.00	4.85		ug/L		97	66 - 135	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*117*		*71 - 144*
4-Bromofluorobenzene	*109*		*72 - 133*

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

Lab Sample ID: MB 460-429447/7
Matrix: Water
Analysis Batch: 429447

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.40	0.20	ug/L			04/11/17 07:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*71 - 144*		*04/11/17 07:53*	*1*
4-Bromofluorobenzene	*102*		*72 - 133*		*04/11/17 07:53*	*1*

Lab Sample ID: LCS 460-429447/3
Matrix: Water
Analysis Batch: 429447

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dioxane			5.00	5.37		ug/L		107	66 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*71 - 144*
4-Bromofluorobenzene	*109*		*72 - 133*

Lab Sample ID: LCSD 460-429447/4
Matrix: Water
Analysis Batch: 429447

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane			5.00	5.34		ug/L		107	66 - 135	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*124*		*71 - 144*
4-Bromofluorobenzene	*105*		*72 - 133*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 460-431672/1-A
Matrix: Water
Analysis Batch: 431784

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431672

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.8	U	4.0	1.8	ug/L		04/20/17 00:00	04/20/17 16:09	1
Chromium	3.3	U	10.0	3.3	ug/L		04/20/17 00:00	04/20/17 16:09	1
Copper	8.1	U	25.0	8.1	ug/L		04/20/17 00:00	04/20/17 16:09	1
Nickel	9.0	U	40.0	9.0	ug/L		04/20/17 00:00	04/20/17 16:09	1

Lab Sample ID: LCS 460-431672/2-A
Matrix: Water
Analysis Batch: 431784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431672

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			50.0	52.25		ug/L		105	80 - 120		
Chromium			200	211.4		ug/L		106	80 - 120		

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 460-431672/2-A
Matrix: Water
Analysis Batch: 431784

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431672

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	250	251.0		ug/L		100	80 - 120
Nickel	500	540.8		ug/L		108	80 - 120

Lab Sample ID: 460-131844-E-1-C MS
Matrix: Water
Analysis Batch: 431784

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 431672

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	1.8	U	50.0	52.18		ug/L		104	75 - 125
Chromium	36.6		200	251.8		ug/L		108	75 - 125
Copper	18.1	J	250	287.5		ug/L		108	75 - 125
Nickel	9.0	U	500	538.4		ug/L		108	75 - 125

Lab Sample ID: 460-131844-E-1-B DU
Matrix: Water
Analysis Batch: 431784

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 431672

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	1.8	U	1.8	U	ug/L		NC	20
Chromium	36.6		36.22		ug/L		0.9	20
Copper	18.1	J	18.08	J	ug/L		0.1	20
Nickel	9.0	U	9.0	U	ug/L		NC	20

Lab Sample ID: MB 460-431973/1-A
Matrix: Water
Analysis Batch: 432111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431973

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.8	U	4.0	1.8	ug/L		04/21/17 01:55	04/21/17 15:24	1
Chromium	3.3	U	10.0	3.3	ug/L		04/21/17 01:55	04/21/17 15:24	1
Copper	8.1	U	25.0	8.1	ug/L		04/21/17 01:55	04/21/17 15:24	1
Nickel	9.0	U	40.0	9.0	ug/L		04/21/17 01:55	04/21/17 15:24	1

Lab Sample ID: LCS 460-431973/2-A
Matrix: Water
Analysis Batch: 432111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431973

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	50.0	52.37		ug/L		105	80 - 120
Chromium	200	215.1		ug/L		108	80 - 120
Copper	250	247.5		ug/L		99	80 - 120
Nickel	500	539.5		ug/L		108	80 - 120

Lab Sample ID: 460-131030-3 MS
Matrix: Water
Analysis Batch: 432111

Client Sample ID: 18S-42017
Prep Type: Total/NA
Prep Batch: 431973

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	1.8	U	50.0	52.26		ug/L		105	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 460-131030-3 MS — **Client Sample ID: 18S-42017**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 432111 — **Prep Batch: 431973**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	257		200	474.2		ug/L		108	75 - 125
Copper	14.3	J	250	265.9		ug/L		101	75 - 125
Nickel	136		500	667.9		ug/L		106	75 - 125

Lab Sample ID: 460-131030-3 DU — **Client Sample ID: 18S-42017**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 432111 — **Prep Batch: 431973**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	1.8	U	1.8	U	ug/L		NC	20
Chromium	257		257.0		ug/L		0.1	20
Copper	14.3	J	14.44	J	ug/L		1	20
Nickel	136		136.4		ug/L		0.6	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 460-428557/9 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 428557

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	2.7	U	10.0	2.7	ug/L			04/06/17 08:40	1

Lab Sample ID: LCSSRM 460-428557/10 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 428557

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	63.8	63.19		ug/L		99.0	88.7 - 110.0

Lab Sample ID: 460-131030-3 MS — **Client Sample ID: 18S-42017**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 428557

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	161		644	899.1		ug/L		115	85 - 115

Lab Sample ID: 460-131030-3 DU — **Client Sample ID: 18S-42017**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 428557

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cr (VI)	161		160.8		ug/L		0	20

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
F1	MS and/or MSD Recovery is outside acceptance limits.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

Metals

Qualifier	Qualifier Description
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

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Analysis Batch: 429360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131030-4	15S-42017	Total/NA	Water	8260C SIM	
460-131030-5	3S-42017	Total/NA	Water	8260C SIM	
MB 460-429360/7	Method Blank	Total/NA	Water	8260C SIM	
LCS 460-429360/5	Lab Control Sample	Total/NA	Water	8260C SIM	
LCSD 460-429360/6	Lab Control Sample Dup	Total/NA	Water	8260C SIM	

Analysis Batch: 429447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131030-3	18S-42017	Total/NA	Water	8260C SIM	
MB 460-429447/7	Method Blank	Total/NA	Water	8260C SIM	
LCS 460-429447/3	Lab Control Sample	Total/NA	Water	8260C SIM	
LCSD 460-429447/4	Lab Control Sample Dup	Total/NA	Water	8260C SIM	

Analysis Batch: 430489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131030-1	19S-42017	Total/NA	Water	8260C	
460-131030-2	17S-42017	Total/NA	Water	8260C	
460-131030-3	18S-42017	Total/NA	Water	8260C	
460-131030-4	15S-42017	Total/NA	Water	8260C	
460-131030-6	TB-42017	Total/NA	Water	8260C	
460-131030-7	FDup-42017	Total/NA	Water	8260C	
460-131030-8	FB-42017	Total/NA	Water	8260C	
MB 460-430489/7	Method Blank	Total/NA	Water	8260C	
LCS 460-430489/4	Lab Control Sample	Total/NA	Water	8260C	
460-131030-3 MS	18S-42017	Total/NA	Water	8260C	
460-131030-3 MSD	18S-42017	Total/NA	Water	8260C	

Analysis Batch: 431214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131030-5	3S-42017	Total/NA	Water	8260C	
MB 460-431214/8	Method Blank	Total/NA	Water	8260C	
LCS 460-431214/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-431214/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Metals

Prep Batch: 431672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131030-1	19S-42017	Total/NA	Water	3010A	
MB 460-431672/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-431672/2-A	Lab Control Sample	Total/NA	Water	3010A	
460-131844-E-1-C MS	Matrix Spike	Total/NA	Water	3010A	
460-131844-E-1-B DU	Duplicate	Total/NA	Water	3010A	

Analysis Batch: 431784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131030-1	19S-42017	Total/NA	Water	6010C	431672
MB 460-431672/1-A	Method Blank	Total/NA	Water	6010C	431672
LCS 460-431672/2-A	Lab Control Sample	Total/NA	Water	6010C	431672
460-131844-E-1-C MS	Matrix Spike	Total/NA	Water	6010C	431672

Metals (Continued)

Analysis Batch: 431784 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131844-E-1-B DU	Duplicate	Total/NA	Water	6010C	431672

Prep Batch: 431973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131030-2	17S-42017	Total/NA	Water	3010A	
460-131030-3	18S-42017	Total/NA	Water	3010A	
460-131030-4	15S-42017	Total/NA	Water	3010A	
460-131030-5	3S-42017	Total/NA	Water	3010A	
460-131030-7	FDup-42017	Total/NA	Water	3010A	
460-131030-8	FB-42017	Total/NA	Water	3010A	
MB 460-431973/1-A	Method Blank	Total/NA	Water	3010A	
LCS 460-431973/2-A	Lab Control Sample	Total/NA	Water	3010A	
460-131030-3 MS	18S-42017	Total/NA	Water	3010A	
460-131030-3 DU	18S-42017	Total/NA	Water	3010A	

Analysis Batch: 432111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131030-2	17S-42017	Total/NA	Water	6010C	431973
460-131030-3	18S-42017	Total/NA	Water	6010C	431973
460-131030-4	15S-42017	Total/NA	Water	6010C	431973
460-131030-5	3S-42017	Total/NA	Water	6010C	431973
460-131030-7	FDup-42017	Total/NA	Water	6010C	431973
460-131030-8	FB-42017	Total/NA	Water	6010C	431973
MB 460-431973/1-A	Method Blank	Total/NA	Water	6010C	431973
LCS 460-431973/2-A	Lab Control Sample	Total/NA	Water	6010C	431973
460-131030-3 MS	18S-42017	Total/NA	Water	6010C	431973
460-131030-3 DU	18S-42017	Total/NA	Water	6010C	431973

General Chemistry

Analysis Batch: 428557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-131030-3	18S-42017	Total/NA	Water	7196A	
460-131030-4	15S-42017	Total/NA	Water	7196A	
460-131030-5	3S-42017	Total/NA	Water	7196A	
460-131030-7	FDup-42017	Total/NA	Water	7196A	
460-131030-8	FB-42017	Total/NA	Water	7196A	
MB 460-428557/9	Method Blank	Total/NA	Water	7196A	
LCSSRM 460-428557/10	Lab Control Sample	Total/NA	Water	7196A	
460-131030-3 MS	18S-42017	Total/NA	Water	7196A	
460-131030-3 DU	18S-42017	Total/NA	Water	7196A	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: DEC Genzale Plating Co. Site # 130018

TestAmerica Job ID: 460-131030-1

Client Sample ID: 19S-42017
Date Collected: 04/04/17 16:15
Date Received: 04/05/17 18:40

Lab Sample ID: 460-131030-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	430489	04/15/17 06:41	EMM	TAL EDI
Total/NA	Prep	3010A			431672	04/20/17 00:00	GAE	TAL EDI
Total/NA	Analysis	6010C		1	431784	04/20/17 18:04	YZH	TAL EDI

Client Sample ID: 17S-42017
Date Collected: 04/04/17 16:30
Date Received: 04/05/17 18:40

Lab Sample ID: 460-131030-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	430489	04/15/17 07:04	EMM	TAL EDI
Total/NA	Prep	3010A			431973	04/21/17 01:55	GAE	TAL EDI
Total/NA	Analysis	6010C		1	432111	04/21/17 16:14	YZH	TAL EDI

Client Sample ID: 18S-42017
Date Collected: 04/05/17 11:57
Date Received: 04/05/17 18:40

Lab Sample ID: 460-131030-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	430489	04/15/17 04:46	EMM	TAL EDI
Total/NA	Analysis	8260C SIM		1	429447	04/11/17 10:09	AAT	TAL EDI
Total/NA	Prep	3010A			431973	04/21/17 01:55	GAE	TAL EDI
Total/NA	Analysis	6010C		1	432111	04/21/17 15:35	YZH	TAL EDI
Total/NA	Analysis	7196A		1	428557	04/06/17 08:40	PXP	TAL EDI

Client Sample ID: 15S-42017
Date Collected: 04/05/17 12:20
Date Received: 04/05/17 18:40

Lab Sample ID: 460-131030-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	430489	04/15/17 07:27	EMM	TAL EDI
Total/NA	Analysis	8260C SIM		1	429360	04/11/17 00:44	AAT	TAL EDI
Total/NA	Prep	3010A			431973	04/21/17 01:55	GAE	TAL EDI
Total/NA	Analysis	6010C		2	432111	04/21/17 16:18	YZH	TAL EDI
Total/NA	Analysis	7196A		5	428557	04/06/17 08:40	PXP	TAL EDI

Client Sample ID: 3S-42017
Date Collected: 04/05/17 12:40
Date Received: 04/05/17 18:40

Lab Sample ID: 460-131030-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	431214	04/18/17 15:16	CJM	TAL EDI
Total/NA	Analysis	8260C SIM		1	429360	04/11/17 01:07	AAT	TAL EDI

Lab Chronicle

Client: New York State D.E.C. TestAmerica Job ID: 460-131030-1
Project/Site: DEC Genzale Plating Co. Site # 130018

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			431973	04/21/17 01:55	GAE	TAL EDI
Total/NA	Analysis	6010C		1	432111	04/21/17 16:22	YZH	TAL EDI
Total/NA	Analysis	7196A		1	428557	04/06/17 08:40	PXP	TAL EDI

Client Sample ID: TB-42017
Lab Sample ID: 460-131030-6
Date Collected: 04/04/17 00:00
Matrix: Water
Date Received: 04/05/17 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	430489	04/15/17 04:00	EMM	TAL EDI

Client Sample ID: FDup-42017
Lab Sample ID: 460-131030-7
Date Collected: 04/05/17 12:00
Matrix: Water
Date Received: 04/05/17 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	430489	04/15/17 08:13	EMM	TAL EDI
Total/NA	Prep	3010A			431973	04/21/17 01:55	GAE	TAL EDI
Total/NA	Analysis	6010C		2	432111	04/21/17 16:26	YZH	TAL EDI
Total/NA	Analysis	7196A		5	428557	04/06/17 08:40	PXP	TAL EDI

Client Sample ID: FB-42017
Lab Sample ID: 460-131030-8
Date Collected: 04/05/17 10:50
Matrix: Water
Date Received: 04/05/17 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	430489	04/15/17 04:23	EMM	TAL EDI
Total/NA	Prep	3010A			431973	04/21/17 01:55	GAE	TAL EDI
Total/NA	Analysis	6010C		1	432111	04/21/17 16:30	YZH	TAL EDI
Total/NA	Analysis	7196A		1	428557	04/06/17 08:40	PXP	TAL EDI

Laboratory References:
TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C. TestAmerica Job ID: 460-131030-1
Project/Site: DEC Genzale Plating Co. Site # 130018

Laboratory: TestAmerica Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	11452	04-01-18

8260C

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

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 #
19S-42017	460-131030-1	107	97	92	99
17S-42017	460-131030-2	98	94	93	98
18S-42017	460-131030-3	100	91	91	100
15S-42017	460-131030-4	104	94	94	102
3S-42017	460-131030-5	99	95	96	99
TB-42017	460-131030-6	102	95	93	99
FDup-42017	460-131030-7	104	95	91	98
FB-42017	460-131030-8	102	92	93	98
	MB 460-430489/7	104	96	94	100
	MB 460-431214/8	102	95	98	101
	LCS 460-430489/4	101	95	91	101
	LCS 460-431214/4	101	98	101	105
	LCSD 460-431214/5	98	94	100	103
18S-42017 MS	460-131030-3 MS	102	92	94	98
18S-42017 MSD	460-131030-3 MSD	103	96	95	97

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	72-131
DCA = 1,2-Dichloroethane-d4 (Surr)	74-132
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	77-124

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F45831.D

Lab ID: LCS 460-430489/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.0	95	75-125	
1,1,2,2-Tetrachloroethane	20.0	18.1	91	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	13.1	66	59-150	
1,1,2-Trichloroethane	20.0	19.8	99	78-120	
1,1-Dichloroethane	20.0	20.2	101	77-123	
1,1-Dichloroethene	20.0	20.0	100	74-123	
1,2,3-Trichlorobenzene	20.0	20.5	102	78-131	
1,2,4-Trichlorobenzene	20.0	21.1	106	80-124	
1,2-Dibromo-3-Chloropropane	20.0	19.8	99	55-134	
1,2-Dichlorobenzene	20.0	21.5	108	80-120	
1,2-Dichloroethane	20.0	20.4	102	76-121	
1,2-Dichloropropane	20.0	17.9	90	77-123	
1,3-Dichlorobenzene	20.0	21.3	107	80-120	
1,4-Dichlorobenzene	20.0	21.0	105	80-120	
1,4-Dioxane	400	485	121	10-150	
2-Butanone (MEK)	100	112	112	64-120	
2-Hexanone	100	95.4	95	71-125	
4-Methyl-2-pentanone (MIBK)	100	94.9	95	78-124	
Acetone	100	102	102	39-150	
Benzene	20.0	20.0	100	77-121	
Bromoform	20.0	20.3	101	53-120	
Bromomethane	20.0	20.4	102	10-150	
Carbon disulfide	20.0	16.4	82	69-133	
Carbon tetrachloride	20.0	21.0	105	70-132	
Chlorobenzene	20.0	21.0	105	80-120	
Chlorobromomethane	20.0	23.2	116	77-127	
Chlorodibromomethane	20.0	20.6	103	73-120	
Chloroethane	20.0	19.5	98	52-150	
Chloroform	20.0	21.5	108	80-120	
Chloromethane	20.0	21.0	105	56-131	
cis-1,2-Dichloroethene	20.0	21.8	109	80-120	
cis-1,3-Dichloropropene	20.0	18.2	91	77-120	
Cyclohexane	20.0	17.0	85	56-150	
Dichlorobromomethane	20.0	19.9	99	76-120	
Dichlorodifluoromethane	20.0	18.1	91	50-131	
Ethylbenzene	20.0	21.1	106	80-120	
Ethylene Dibromide	20.0	21.7	109	80-120	
Isopropylbenzene	20.0	20.7	103	80-123	
Methyl acetate	100	103	103	66-144	
Methyl tert-butyl ether	20.0	16.3	81	79-122	
Methylcyclohexane	20.0	21.0	105	61-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F45831.D

Lab ID: LCS 460-430489/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylene Chloride	20.0	18.7	94	77-123	
m-Xylene & p-Xylene	20.0	20.9	104	80-120	
o-Xylene	20.0	20.2	101	80-120	
Styrene	20.0	21.3	106	80-120	
Tetrachloroethene	20.0	23.2	116	78-122	
Toluene	20.0	20.3	101	80-120	
trans-1,2-Dichloroethene	20.0	22.5	112	79-120	
trans-1,3-Dichloropropene	20.0	18.9	95	76-120	
Trichloroethene	20.0	22.2	111	77-120	
Trichlorofluoromethane	20.0	18.3	92	71-143	
Vinyl chloride	20.0	17.3	86	62-138	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F45961.D

Lab ID: LCS 460-431214/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.3	102	75-125	
1,1,2,2-Tetrachloroethane	20.0	17.7	89	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.2	106	59-150	
1,1,2-Trichloroethane	20.0	17.9	90	78-120	
1,1-Dichloroethane	20.0	18.8	94	77-123	
1,1-Dichloroethene	20.0	19.4	97	74-123	
1,2,3-Trichlorobenzene	20.0	20.0	100	78-131	
1,2,4-Trichlorobenzene	20.0	19.8	99	80-124	
1,2-Dibromo-3-Chloropropane	20.0	18.4	92	55-134	
1,2-Dichlorobenzene	20.0	19.9	99	80-120	
1,2-Dichloroethane	20.0	18.3	91	76-121	
1,2-Dichloropropane	20.0	18.4	92	77-123	
1,3-Dichlorobenzene	20.0	19.5	98	80-120	
1,4-Dichlorobenzene	20.0	19.1	96	80-120	
1,4-Dioxane	400	386	97	10-150	
2-Butanone (MEK)	100	79.4	79	64-120	
2-Hexanone	100	88.7	89	71-125	
4-Methyl-2-pentanone (MIBK)	100	92.5	93	78-124	
Acetone	100	79.9	80	39-150	
Benzene	20.0	19.1	95	77-121	
Bromoform	20.0	18.0	90	53-120	
Bromomethane	20.0	19.6	98	10-150	
Carbon disulfide	20.0	20.0	100	69-133	
Carbon tetrachloride	20.0	21.3	107	70-132	
Chlorobenzene	20.0	19.2	96	80-120	
Chlorobromomethane	20.0	17.9	89	77-127	
Chlorodibromomethane	20.0	17.5	88	73-120	
Chloroethane	20.0	23.8	119	52-150	
Chloroform	20.0	17.8	89	80-120	
Chloromethane	20.0	19.7	99	56-131	
cis-1,2-Dichloroethene	20.0	18.1	90	80-120	
cis-1,3-Dichloropropene	20.0	17.4	87	77-120	
Cyclohexane	20.0	22.4	112	56-150	
Dichlorobromomethane	20.0	18.6	93	76-120	
Dichlorodifluoromethane	20.0	20.3	101	50-131	
Ethylbenzene	20.0	19.2	96	80-120	
Ethylene Dibromide	20.0	18.4	92	80-120	
Isopropylbenzene	20.0	21.3	106	80-123	
Methyl acetate	100	90.9	91	66-144	
Methyl tert-butyl ether	20.0	20.2	101	79-122	
Methylcyclohexane	20.0	23.5	118	61-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F45961.D

Lab ID: LCS 460-431214/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylene Chloride	20.0	19.1	95	77-123	
m-Xylene & p-Xylene	20.0	19.7	99	80-120	
o-Xylene	20.0	19.9	100	80-120	
Styrene	20.0	20.0	100	80-120	
Tetrachloroethene	20.0	20.4	102	78-122	
Toluene	20.0	19.3	97	80-120	
trans-1,2-Dichloroethene	20.0	18.6	93	79-120	
trans-1,3-Dichloropropene	20.0	17.7	89	76-120	
Trichloroethene	20.0	18.7	93	77-120	
Trichlorofluoromethane	20.0	23.7	119	71-143	
Vinyl chloride	20.0	22.6	113	62-138	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F45962.D

Lab ID: LCSD 460-431214/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.1	100	1	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	18.1	90	2	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.9	99	6	30	59-150	
1,1,2-Trichloroethane	20.0	17.8	89	0	30	78-120	
1,1-Dichloroethane	20.0	19.2	96	2	30	77-123	
1,1-Dichloroethene	20.0	19.3	97	0	30	74-123	
1,2,3-Trichlorobenzene	20.0	20.8	104	4	30	78-131	
1,2,4-Trichlorobenzene	20.0	20.1	101	1	30	80-124	
1,2-Dibromo-3-Chloropropane	20.0	19.0	95	3	30	55-134	
1,2-Dichlorobenzene	20.0	19.8	99	0	30	80-120	
1,2-Dichloroethane	20.0	17.5	88	4	30	76-121	
1,2-Dichloropropane	20.0	18.1	90	2	30	77-123	
1,3-Dichlorobenzene	20.0	19.6	98	0	30	80-120	
1,4-Dichlorobenzene	20.0	20.1	100	5	30	80-120	
1,4-Dioxane	400	395	99	2	30	10-150	
2-Butanone (MEK)	100	89.0	89	11	30	64-120	
2-Hexanone	100	96.4	96	8	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	96.6	97	4	30	78-124	
Acetone	100	91.5	92	14	30	39-150	
Benzene	20.0	19.2	96	1	30	77-121	
Bromoform	20.0	18.5	93	3	30	53-120	
Bromomethane	20.0	17.1	85	14	30	10-150	
Carbon disulfide	20.0	20.5	103	3	30	69-133	
Carbon tetrachloride	20.0	21.0	105	1	30	70-132	
Chlorobenzene	20.0	19.4	97	1	30	80-120	
Chlorobromomethane	20.0	18.7	93	4	30	77-127	
Chlorodibromomethane	20.0	18.2	91	4	30	73-120	
Chloroethane	20.0	19.9	99	18	30	52-150	
Chloroform	20.0	18.4	92	3	30	80-120	
Chloromethane	20.0	17.3	87	13	30	56-131	
cis-1,2-Dichloroethene	20.0	19.1	96	6	30	80-120	
cis-1,3-Dichloropropene	20.0	18.5	92	6	30	77-120	
Cyclohexane	20.0	22.9	114	2	30	56-150	
Dichlorobromomethane	20.0	17.9	89	4	30	76-120	
Dichlorodifluoromethane	20.0	18.0	90	12	30	50-131	
Ethylbenzene	20.0	19.2	96	0	30	80-120	
Ethylene Dibromide	20.0	18.1	90	1	30	80-120	
Isopropylbenzene	20.0	21.5	107	1	30	80-123	
Methyl acetate	100	91.8	92	1	30	66-144	
Methyl tert-butyl ether	20.0	20.2	101	0	30	79-122	
Methylcyclohexane	20.0	23.0	115	2	30	61-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F45962.D

Lab ID: LCSD 460-431214/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methylene Chloride	20.0	18.5	92	3	30	77-123	
m-Xylene & p-Xylene	20.0	19.6	98	1	30	80-120	
o-Xylene	20.0	20.0	100	0	30	80-120	
Styrene	20.0	20.4	102	2	30	80-120	
Tetrachloroethene	20.0	20.2	101	1	30	78-122	
Toluene	20.0	19.6	98	1	30	80-120	
trans-1,2-Dichloroethene	20.0	19.1	95	3	30	79-120	
trans-1,3-Dichloropropene	20.0	17.7	88	0	30	76-120	
Trichloroethene	20.0	18.2	91	3	30	77-120	
Trichlorofluoromethane	20.0	22.1	111	7	30	71-143	
Vinyl chloride	20.0	19.6	98	14	30	62-138	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F45841.D

Lab ID: 460-131030-3 MS Client ID: 18S-42017 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	3.5	21.5	90	75-125	
1,1,2,2-Tetrachloroethane	20.0	0.19 U	19.7	98	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	0.34 U	13.3	66	59-150	
1,1,2-Trichloroethane	20.0	0.080 U	19.6	98	78-120	
1,1-Dichloroethane	20.0	0.24 U	20.6	103	77-123	
1,1-Dichloroethene	20.0	0.34 U	20.4	102	74-123	
1,2,3-Trichlorobenzene	20.0	0.35 U	20.7	104	78-131	
1,2,4-Trichlorobenzene	20.0	0.27 U	20.4	102	80-124	
1,2-Dibromo-3-Chloropropane	20.0	0.23 U	18.3	92	55-134	
1,2-Dichlorobenzene	20.0	0.22 U	22.0	110	80-120	
1,2-Dichloroethane	20.0	0.25 U	20.0	100	76-121	
1,2-Dichloropropane	20.0	0.18 U	17.7	89	77-123	
1,3-Dichlorobenzene	20.0	0.33 U	21.5	108	80-120	
1,4-Dichlorobenzene	20.0	0.33 U	21.7	108	80-120	
1,4-Dioxane	400	8.7 U	444	111	10-150	
2-Butanone (MEK)	100	2.2 U	121	121	64-120	F1
2-Hexanone	100	0.72 U	105	105	71-125	
4-Methyl-2-pentanone (MIBK)	100	0.63 U	114	114	78-124	
Acetone	100	1.1 U	107	107	39-150	
Benzene	20.0	0.090 U	21.0	105	77-121	
Bromoform	20.0	0.18 U	19.2	96	53-120	
Bromomethane	20.0	0.18 U	18.7	94	10-150	
Carbon disulfide	20.0	0.22 U	15.6	78	69-133	
Carbon tetrachloride	20.0	0.33 U	20.6	103	70-132	
Chlorobenzene	20.0	0.24 U	21.3	106	80-120	
Chlorobromomethane	20.0	0.30 U	22.6	113	77-127	
Chlorodibromomethane	20.0	0.22 U	20.5	102	73-120	
Chloroethane	20.0	0.37 U	18.1	91	52-150	
Chloroform	20.0	0.22 U	22.0	110	80-120	
Chloromethane	20.0	0.22 U	19.9	100	56-131	
cis-1,2-Dichloroethene	20.0	0.26 U	22.2	111	80-120	
cis-1,3-Dichloropropene	20.0	0.16 U	17.5	87	77-120	
Cyclohexane	20.0	0.26 U	16.5	83	56-150	
Dichlorobromomethane	20.0	0.15 U	18.9	95	76-120	
Dichlorodifluoromethane	20.0	0.14 U	16.6	83	50-131	
Ethylbenzene	20.0	0.30 U	21.9	110	80-120	
Ethylene Dibromide	20.0	0.19 U	21.0	105	80-120	
Isopropylbenzene	20.0	0.32 U	20.7	103	80-123	
Methyl acetate	100	0.58 U	97.5	98	66-144	
Methyl tert-butyl ether	20.0	0.13 U	16.0	80	79-122	
Methylcyclohexane	20.0	0.22 U	19.3	97	61-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F45841.D

Lab ID: 460-131030-3 MS Client ID: 18S-42017 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Methylene Chloride	20.0	0.21 U	19.3	96	77-123	
m-Xylene & p-Xylene	20.0	0.28 U	21.3	106	80-120	
o-Xylene	20.0	0.32 U	20.9	105	80-120	
Styrene	20.0	0.17 U	21.3	107	80-120	
Tetrachloroethene	20.0	0.79 J	25.3	122	78-122	
Toluene	20.0	0.25 U	21.5	107	80-120	
trans-1,2-Dichloroethene	20.0	0.18 U	22.0	110	79-120	
trans-1,3-Dichloropropene	20.0	0.19 U	17.3	87	76-120	
Trichloroethene	20.0	11	30.1	94	77-120	
Trichlorofluoromethane	20.0	0.15 U	17.4	87	71-143	
Vinyl chloride	20.0	0.060 U	16.4	82	62-138	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F45842.D

Lab ID: 460-131030-3 MSD Client ID: 18S-42017 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.7	86	4	30	75-125	
1,1,2,2-Tetrachloroethane	20.0	18.2	91	8	30	74-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	12.7	64	4	30	59-150	
1,1,2-Trichloroethane	20.0	19.2	96	2	30	78-120	
1,1-Dichloroethane	20.0	20.1	100	3	30	77-123	
1,1-Dichloroethene	20.0	17.2	86	17	30	74-123	
1,2,3-Trichlorobenzene	20.0	19.3	96	7	30	78-131	
1,2,4-Trichlorobenzene	20.0	19.8	99	3	30	80-124	
1,2-Dibromo-3-Chloropropane	20.0	17.1	85	7	30	55-134	
1,2-Dichlorobenzene	20.0	21.1	105	4	30	80-120	
1,2-Dichloroethane	20.0	20.6	103	3	30	76-121	
1,2-Dichloropropane	20.0	17.6	88	1	30	77-123	
1,3-Dichlorobenzene	20.0	20.6	103	5	30	80-120	
1,4-Dichlorobenzene	20.0	20.0	100	8	30	80-120	
1,4-Dioxane	400	502	125	12	30	10-150	
2-Butanone (MEK)	100	106	106	14	30	64-120	
2-Hexanone	100	102	102	3	30	71-125	
4-Methyl-2-pentanone (MIBK)	100	106	106	8	30	78-124	
Acetone	100	106	106	1	30	39-150	
Benzene	20.0	19.8	99	5	30	77-121	
Bromoform	20.0	18.3	92	5	30	53-120	
Bromomethane	20.0	19.1	96	2	30	10-150	
Carbon disulfide	20.0	15.0	75	4	30	69-133	
Carbon tetrachloride	20.0	20.1	101	2	30	70-132	
Chlorobenzene	20.0	20.4	102	4	30	80-120	
Chlorobromomethane	20.0	21.6	108	5	30	77-127	
Chlorodibromomethane	20.0	19.1	96	7	30	73-120	
Chloroethane	20.0	17.7	88	3	30	52-150	
Chloroform	20.0	21.5	108	2	30	80-120	
Chloromethane	20.0	20.2	101	1	30	56-131	
cis-1,2-Dichloroethene	20.0	21.7	108	2	30	80-120	
cis-1,3-Dichloropropene	20.0	16.7	83	5	30	77-120	
Cyclohexane	20.0	16.1	81	3	30	56-150	
Dichlorobromomethane	20.0	18.2	91	4	30	76-120	
Dichlorodifluoromethane	20.0	16.7	84	1	30	50-131	
Ethylbenzene	20.0	20.2	101	8	30	80-120	
Ethylene Dibromide	20.0	20.7	104	1	30	80-120	
Isopropylbenzene	20.0	19.5	98	6	30	80-123	
Methyl acetate	100	92.8	93	5	30	66-144	
Methyl tert-butyl ether	20.0	16.0	80	0	30	79-122	
Methylcyclohexane	20.0	19.4	97	1	30	61-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F45842.D

Lab ID: 460-131030-3 MSD Client ID: 18S-42017 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methylene Chloride	20.0	19.2	96	1	30	77-123	
m-Xylene & p-Xylene	20.0	20.9	105	2	30	80-120	
o-Xylene	20.0	19.9	99	5	30	80-120	
Styrene	20.0	20.4	102	5	30	80-120	
Tetrachloroethene	20.0	22.8	110	10	30	78-122	
Toluene	20.0	20.4	102	5	30	80-120	
trans-1,2-Dichloroethene	20.0	20.7	103	6	30	79-120	
trans-1,3-Dichloropropene	20.0	17.2	86	1	30	76-120	
Trichloroethene	20.0	29.9	92	1	30	77-120	
Trichlorofluoromethane	20.0	17.4	87	0	30	71-143	
Vinyl chloride	20.0	16.6	83	1	30	62-138	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab File ID: F45834.D Lab Sample ID: MB 460-430489/7

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

Instrument ID: CVOAMS6 Date Analyzed: 04/15/2017 02:51

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 460-430489/4	F45831.D	04/15/2017 01:42
TB-42017	460-131030-6	F45837.D	04/15/2017 04:00
FB-42017	460-131030-8	F45838.D	04/15/2017 04:23
18S-42017	460-131030-3	F45839.D	04/15/2017 04:46
18S-42017 MS	460-131030-3 MS	F45841.D	04/15/2017 05:33
18S-42017 MSD	460-131030-3 MSD	F45842.D	04/15/2017 05:55
19S-42017	460-131030-1	F45844.D	04/15/2017 06:41
17S-42017	460-131030-2	F45845.D	04/15/2017 07:04
15S-42017	460-131030-4	F45846.D	04/15/2017 07:27
FDup-42017	460-131030-7	F45848.D	04/15/2017 08:13

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab File ID: F45965.D Lab Sample ID: MB 460-431214/8

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

Instrument ID: CVOAMS6 Date Analyzed: 04/18/2017 14:52

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 460-431214/4	F45961.D	04/18/2017 13:20
	LCSD 460-431214/5	F45962.D	04/18/2017 13:43
3S-42017	460-131030-5	F45966.D	04/18/2017 15:16

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab File ID: F44753.D BFB Injection Date: 03/21/2017

Instrument ID: CVOAMS6 BFB Injection Time: 02:26

Analysis Batch No.: 425448

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.6	
75	30.0 - 60.0 % of mass 95	52.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.2	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	92.6	
175	5.0 - 9.0 % of mass 174	8.1	(8.7) 1
176	95.0 - 101.0 % of mass 174	92.2	(99.6) 1
177	5.0 - 9.0 % of mass 176	6.2	(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
	STD7 460-425448/3	F44755.D	03/21/2017	03:09
	STD5 460-425448/5	F44757.D	03/21/2017	03:55
	STD20 460-425448/6	F44758.D	03/21/2017	04:18
	STD50 460-425448/7	F44759.D	03/21/2017	04:41
	STD200 460-425448/8	F44760.D	03/21/2017	05:04
	STD500 460-425448/9	F44761.D	03/21/2017	05:27
	STD1 460-425448/17	F44769.D	03/21/2017	11:24

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab File ID: F45828.D BFB Injection Date: 04/14/2017

Instrument ID: CVOAMS6 BFB Injection Time: 23:51

Analysis Batch No.: 430489

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.4	
75	30.0 - 60.0 % of mass 95	48.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	105.0	
175	5.0 - 9.0 % of mass 174	9.4	(9.0) 1
176	95.0 - 101.0 % of mass 174	103.2	(98.3) 1
177	5.0 - 9.0 % of mass 176	7.7	(7.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-430489/3	F45830.D	04/15/2017	01:19
	LCS 460-430489/4	F45831.D	04/15/2017	01:42
	MB 460-430489/7	F45834.D	04/15/2017	02:51
TB-42017	460-131030-6	F45837.D	04/15/2017	04:00
FB-42017	460-131030-8	F45838.D	04/15/2017	04:23
18S-42017	460-131030-3	F45839.D	04/15/2017	04:46
18S-42017 MS	460-131030-3 MS	F45841.D	04/15/2017	05:33
18S-42017 MSD	460-131030-3 MSD	F45842.D	04/15/2017	05:55
19S-42017	460-131030-1	F45844.D	04/15/2017	06:41
17S-42017	460-131030-2	F45845.D	04/15/2017	07:04
15S-42017	460-131030-4	F45846.D	04/15/2017	07:27
FDup-42017	460-131030-7	F45848.D	04/15/2017	08:13

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab File ID: F45940.D BFB Injection Date: 04/17/2017

Instrument ID: CVOAMS6 BFB Injection Time: 20:08

Analysis Batch No.: 430992

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.7	
75	30.0 - 60.0 % of mass 95	56.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	109.8	
175	5.0 - 9.0 % of mass 174	8.9	(8.1) 1
176	95.0 - 101.0 % of mass 174	107.0	(97.4) 1
177	5.0 - 9.0 % of mass 176	8.3	(7.8) 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
	STD7 460-430992/4	F45943.D	04/17/2017	21:51
	STD1 460-430992/5	F45944.D	04/17/2017	22:14
	STD5 460-430992/6	F45945.D	04/17/2017	22:38
	STD20 460-430992/7	F45946.D	04/17/2017	23:01
	STD50 460-430992/8	F45947.D	04/17/2017	23:24
	STD200 460-430992/9	F45948.D	04/17/2017	23:47
	STD500 460-430992/10	F45949.D	04/18/2017	00:10

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab File ID: F45958.D BFB Injection Date: 04/18/2017

Instrument ID: CVOAMS6 BFB Injection Time: 12:13

Analysis Batch No.: 431214

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.8	
75	30.0 - 60.0 % of mass 95	51.8	
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	109.6	
175	5.0 - 9.0 % of mass 174	9.4	(8.6) 1
176	95.0 - 101.0 % of mass 174	105.7	(96.5) 1
177	5.0 - 9.0 % of mass 176	5.8	(5.5) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-431214/3	F45960.D	04/18/2017	12:57
	LCS 460-431214/4	F45961.D	04/18/2017	13:20
	LCSD 460-431214/5	F45962.D	04/18/2017	13:43
	MB 460-431214/8	F45965.D	04/18/2017	14:52
3S-42017	460-131030-5	F45966.D	04/18/2017	15:16

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Sample No.: CCVIS 460-430489/3 Date Analyzed: 04/15/2017 01:19

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): F45830.D Heated Purge: (Y/N) N

Calibration ID: 61483

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		46891	3.23	105522	4.30	383541	5.40
UPPER LIMIT		93782	3.73	211044	4.80	767082	5.90
LOWER LIMIT		23446	2.73	52761	3.80	191771	4.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-430489/4		45757	3.23	105654	4.29	374636	5.40
MB 460-430489/7		45020	3.23	101887	4.29	356147	5.40
460-131030-6	TB-42017	42973	3.24	90328	4.30	359266	5.40
460-131030-8	FB-42017	43752	3.24	93867	4.30	372717	5.40
460-131030-3	18S-42017	44831	3.24	92968	4.30	368173	5.40
460-131030-3 MS	18S-42017 MS	46609	3.24	93217	4.31	385409	5.40
460-131030-3 MSD	18S-42017 MSD	45694	3.25	94723	4.30	373432	5.40
460-131030-1	19S-42017	44667	3.24	96976	4.31	357532	5.40
460-131030-2	17S-42017	43150	3.24	92876	4.30	368940	5.40
460-131030-4	15S-42017	47997	3.23	101302	4.30	375453	5.40
460-131030-7	FDup-42017	42306	3.28	96810	4.31	377133	5.40

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Sample No.: CCVIS 460-430489/3 Date Analyzed: 04/15/2017 01:19

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): F45830.D Heated Purge: (Y/N) N

Calibration ID: 61483

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		16738	6.11	332773	8.86	240300	10.97
UPPER LIMIT		33476	6.61	665546	9.36	480600	11.47
LOWER LIMIT		8369	5.61	166387	8.36	120150	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-430489/4		18380	6.09	340182	8.86	247097	10.97
MB 460-430489/7		16313	6.09	321722	8.86	235218	10.97
460-131030-6	TB-42017	13311	6.09	319758	8.86	226686	10.97
460-131030-8	FB-42017	13280	6.09	326271	8.86	237743	10.97
460-131030-3	18S-42017	13528	6.11	327782	8.86	226329	10.97
460-131030-3 MS	18S-42017 MS	15120	6.10	333408	8.86	231611	10.97
460-131030-3 MSD	18S-42017 MSD	14258	6.10	334249	8.86	235881	10.97
460-131030-1	19S-42017	12401	6.10	322191	8.86	224771	10.97
460-131030-2	17S-42017	13847	6.09	318095	8.86	225853	10.97
460-131030-4	15S-42017	15625	6.11	319350	8.86	231150	10.97
460-131030-7	FDup-42017	13397	6.09	334006	8.86	228737	10.97

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Sample No.: CCVIS 460-431214/3 Date Analyzed: 04/18/2017 12:57

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): F45960.D Heated Purge: (Y/N) N

Calibration ID: 61985

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		187601	3.23	129266	4.30	494266	5.40
UPPER LIMIT		375202	3.73	258532	4.80	988532	5.90
LOWER LIMIT		93801	2.73	64633	3.80	247133	4.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-431214/4		169491	3.23	117043	4.29	466152	5.40
LCSD 460-431214/5		161387	3.26	112428	4.30	487689	5.40
MB 460-431214/8		144210	3.23	100379	4.30	442367	5.40
460-131030-5	3S-42017	148362	3.23	96628	4.29	411715	5.40

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Sample No.: CCVIS 460-431214/3 Date Analyzed: 04/18/2017 12:57

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): F45960.D Heated Purge: (Y/N) N

Calibration ID: 61985

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		20850	6.10	460915	8.86	316877	10.97
UPPER LIMIT		41700	6.60	921830	9.36	633754	11.47
LOWER LIMIT		10425	5.60	230458	8.36	158439	10.47
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-431214/4		21255	6.10	416288	8.86	299689	10.97
LCSD 460-431214/5		18451	6.10	432592	8.86	302878	10.97
MB 460-431214/8		14982	6.10	401854	8.86	280667	10.97
460-131030-5	3S-42017	15740	6.10	372401	8.86	260572	10.97

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 19S-42017 | Lab Sample ID: 460-131030-1

Matrix: Water | Lab File ID: F45844.D

Analysis Method: 8260C | Date Collected: 04/04/2017 16:15

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 06:41

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.78	J	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone (MEK)	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
124-48-1	Chlorodibromomethane	0.22	U	1.0	0.22
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
75-27-4	Dichlorobromomethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 19S-42017 | Lab Sample ID: 460-131030-1

Matrix: Water | Lab File ID: F45844.D

Analysis Method: 8260C | Date Collected: 04/04/2017 16:15

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 06:41

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
79-20-9	Methyl acetate	0.58	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	0.28	U	1.0	0.28
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.86	J	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	1.5		1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
460-00-4	4-Bromofluorobenzene	99		77-124
1868-53-7	Dibromofluoromethane (Surr)	107		72-131
2037-26-5	Toluene-d8 (Surr)	92		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 19S-42017 | Lab Sample ID: 460-131030-1

Matrix: Water | Lab File ID: F45844.D

Analysis Method: 8260C | Date Collected: 04/04/2017 16:15

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 06:41

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.: 430489 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45844.D
Lims ID: 460-131030-B-1
Client ID: 19S-42017
Sample Type: Client
Inject. Date: 15-Apr-2017 06:41:30 ALS Bottle#: 12 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-B-1
Misc. Info.: 460-0053757-017
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Apr-2017 16:08:52 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: delpolitov Date: 17-Apr-2017 16:08:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	46	3.242	3.234	0.008	96	44667	1000.0	
* 38 2-Butanone-d5	46	4.310	4.302	0.008	76	96976	250.0	
50 1,1,1-Trichloroethane	97	4.762	4.762	0.000	36	3659	0.7843	
$ 51 Dibromofluoromethane (Surr	113	4.771	4.770	0.001	97	114400	53.3	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	98	134896	48.5	
* 61 Fluorobenzene	96	5.403	5.395	0.008	99	357532	50.0	
63 Trichloroethene	95	5.757	5.748	0.009	94	3840	1.45	
* 67 1,4-Dioxane-d8	96	6.102	6.110	-0.008	96	12401	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	100	405778	46.2	
83 Tetrachloroethene	166	7.762	7.753	0.009	95	2667	0.8561	
* 89 Chlorobenzene-d5	117	8.863	8.863	0.001	85	322191	50.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	97	185006	49.4	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	94	224771	50.0	

Reagents:

8260ISNEW_00102 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00154 Amount Added: 1.00 Units: uL Run Reagent

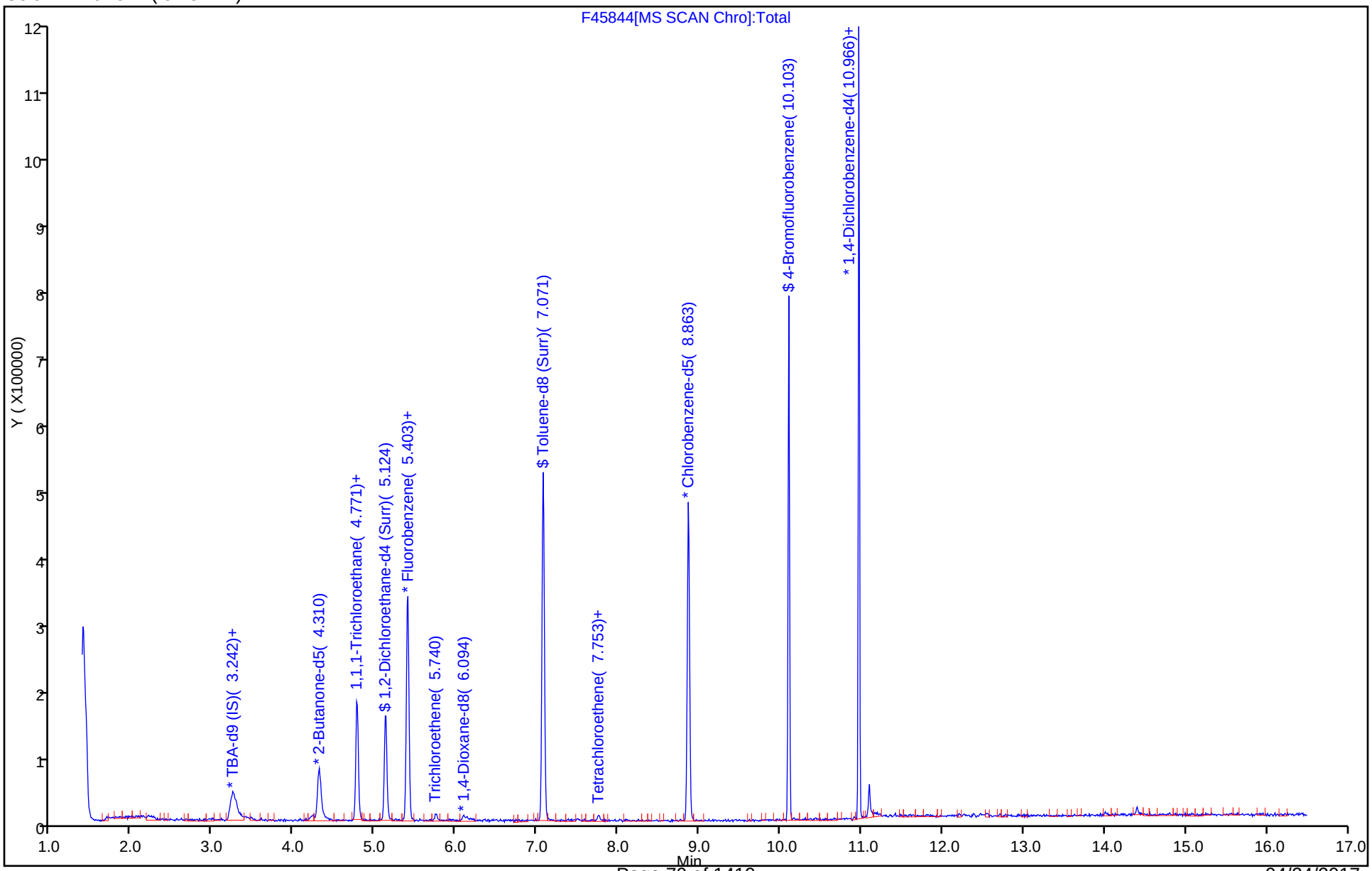
Report Date: 17-Apr-2017 16:08:53 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45844.D

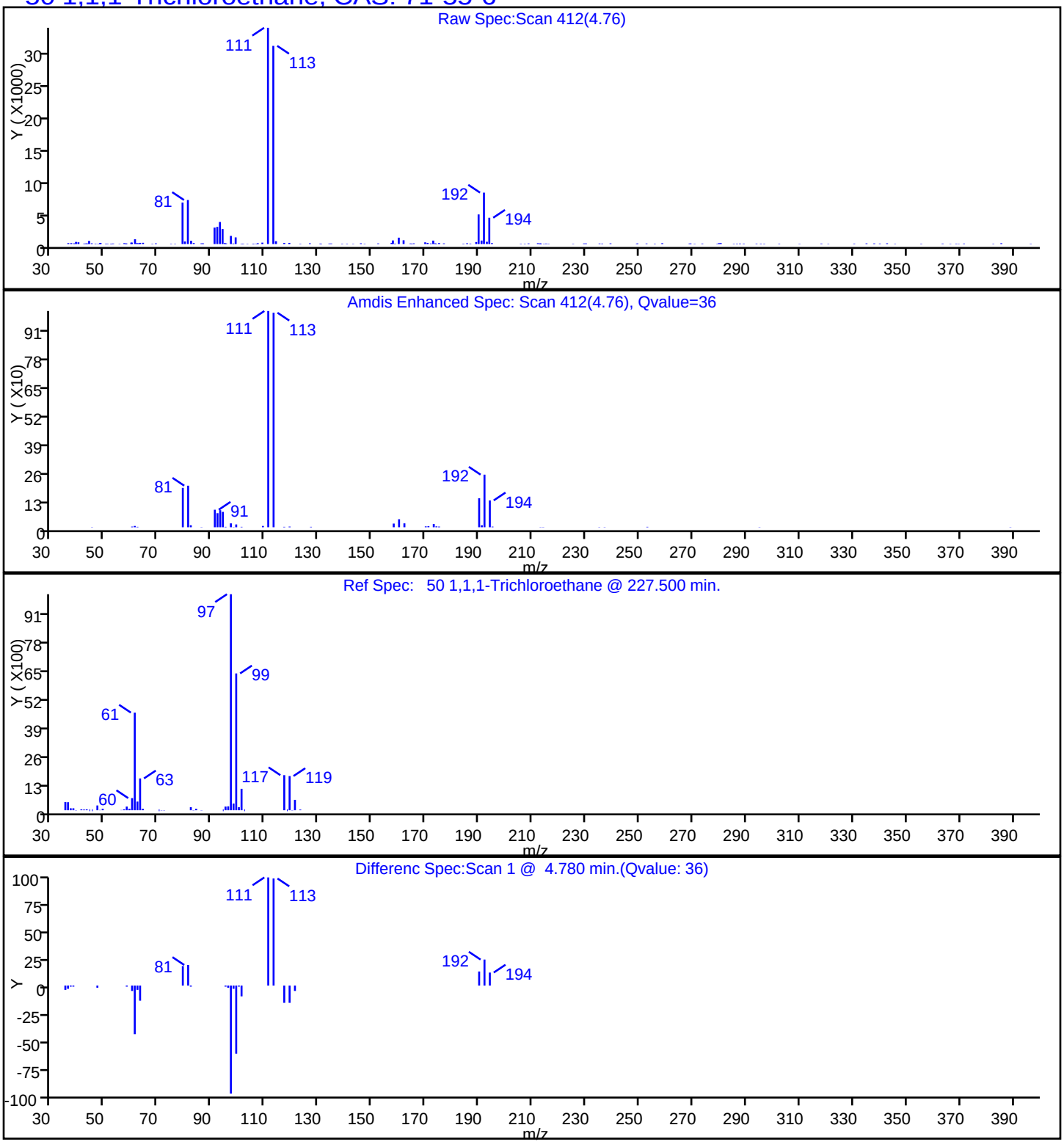
Injection Date:	15-Apr-2017 06:41:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-131030-B-1	Lab Sample ID:	460-131030-1	Worklist Smp#:	17
Client ID:	19S-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45844.D				
Injection Date:	15-Apr-2017 06:41:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-1	Lab Sample ID:	460-131030-1		
Client ID:	19S-42017				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

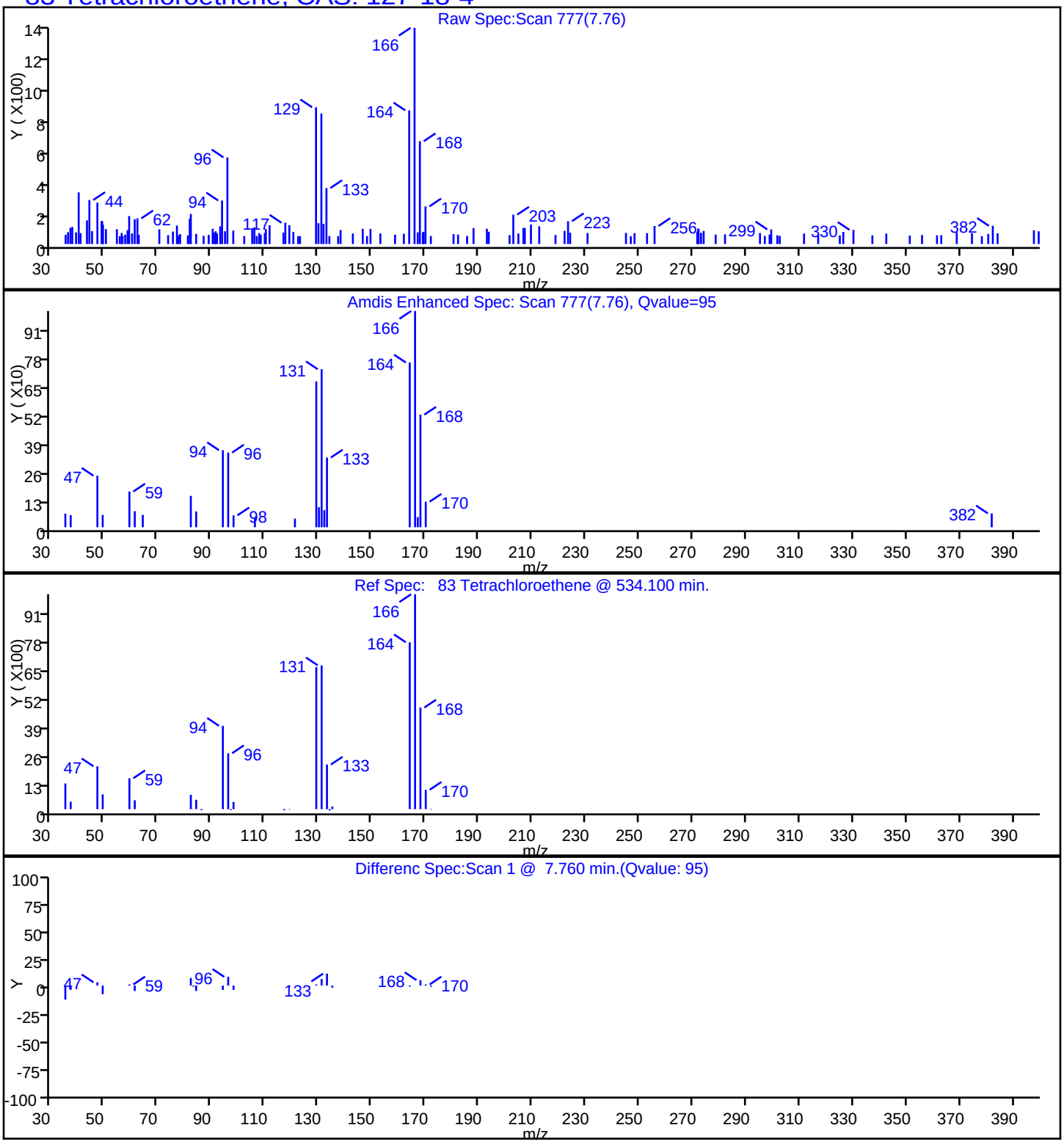
50 1,1,1-Trichloroethane, CAS: 71-55-6



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45844.D		
Injection Date:	15-Apr-2017 06:41:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-1	Lab Sample ID:	460-131030-1
Client ID:	19S-42017		
Operator ID:		ALS Bottle#:	12 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

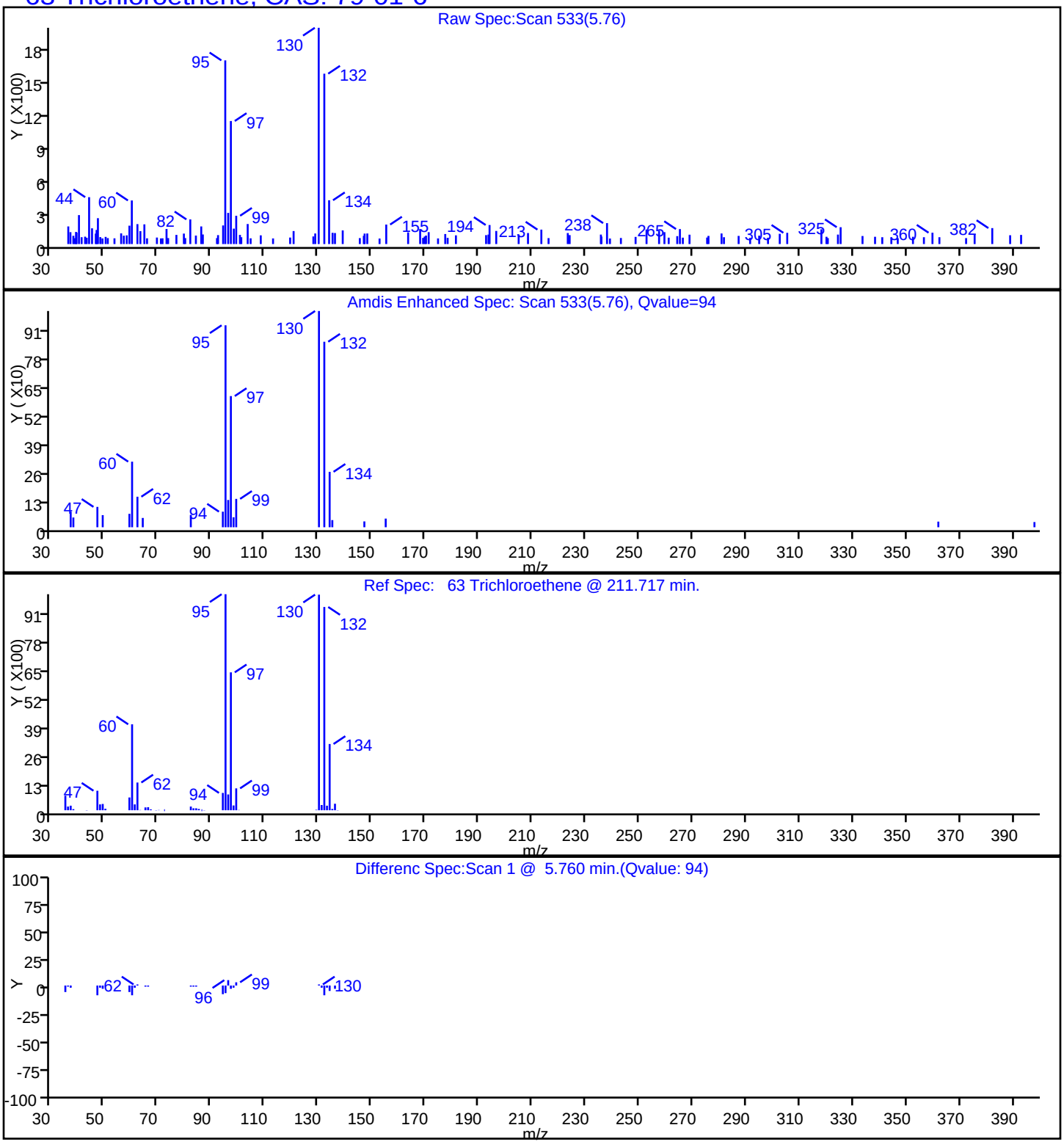
83 Tetrachloroethene, CAS: 127-18-4



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45844.D

Injection Date:	15-Apr-2017 06:41:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-1	Lab Sample ID:	460-131030-1
Client ID:	19S-42017		
Operator ID:		ALS Bottle#:	12 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 17S-42017 | Lab Sample ID: 460-131030-2

Matrix: Water | Lab File ID: F45845.D

Analysis Method: 8260C | Date Collected: 04/04/2017 16:30

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 07:04

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.77	J	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone (MEK)	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
124-48-1	Chlorodibromomethane	0.22	U	1.0	0.22
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
75-27-4	Dichlorobromomethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 17S-42017 | Lab Sample ID: 460-131030-2

Matrix: Water | Lab File ID: F45845.D

Analysis Method: 8260C | Date Collected: 04/04/2017 16:30

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 07:04

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
79-20-9	Methyl acetate	0.58	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	0.28	U	1.0	0.28
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.90	J	1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		74-132
460-00-4	4-Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	98		72-131
2037-26-5	Toluene-d8 (Surr)	93		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 17S-42017 | Lab Sample ID: 460-131030-2

Matrix: Water | Lab File ID: F45845.D

Analysis Method: 8260C | Date Collected: 04/04/2017 16:30

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 07:04

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.: 430489 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45845.D
Lims ID: 460-131030-B-2
Client ID: 17S-42017
Sample Type: Client
Inject. Date: 15-Apr-2017 07:04:30 ALS Bottle#: 13 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-B-2
Misc. Info.: 460-0053757-018
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Apr-2017 16:09:21 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: martineze Date: 15-Apr-2017 12:16:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	46	3.242	3.234	0.008	95	43150	1000.0	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	78	92876	250.0	
50 1,1,1-Trichloroethane	97	4.754	4.762	-0.008	36	3696	0.7677	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	96	108527	49.0	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	97	134335	46.8	
* 61 Fluorobenzene	96	5.395	5.395	0.000	99	368940	50.0	
63 Trichloroethene	95	5.756	5.748	0.008	88	2449	0.8985	M
* 67 1,4-Dioxane-d8	96	6.093	6.110	-0.017	93	13847	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	400966	46.3	
* 89 Chlorobenzene-d5	117	8.862	8.863	0.000	85	318095	50.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	180825	48.9	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	95	225853	50.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8260ISNEW_00102 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00154 Amount Added: 1.00 Units: uL Run Reagent

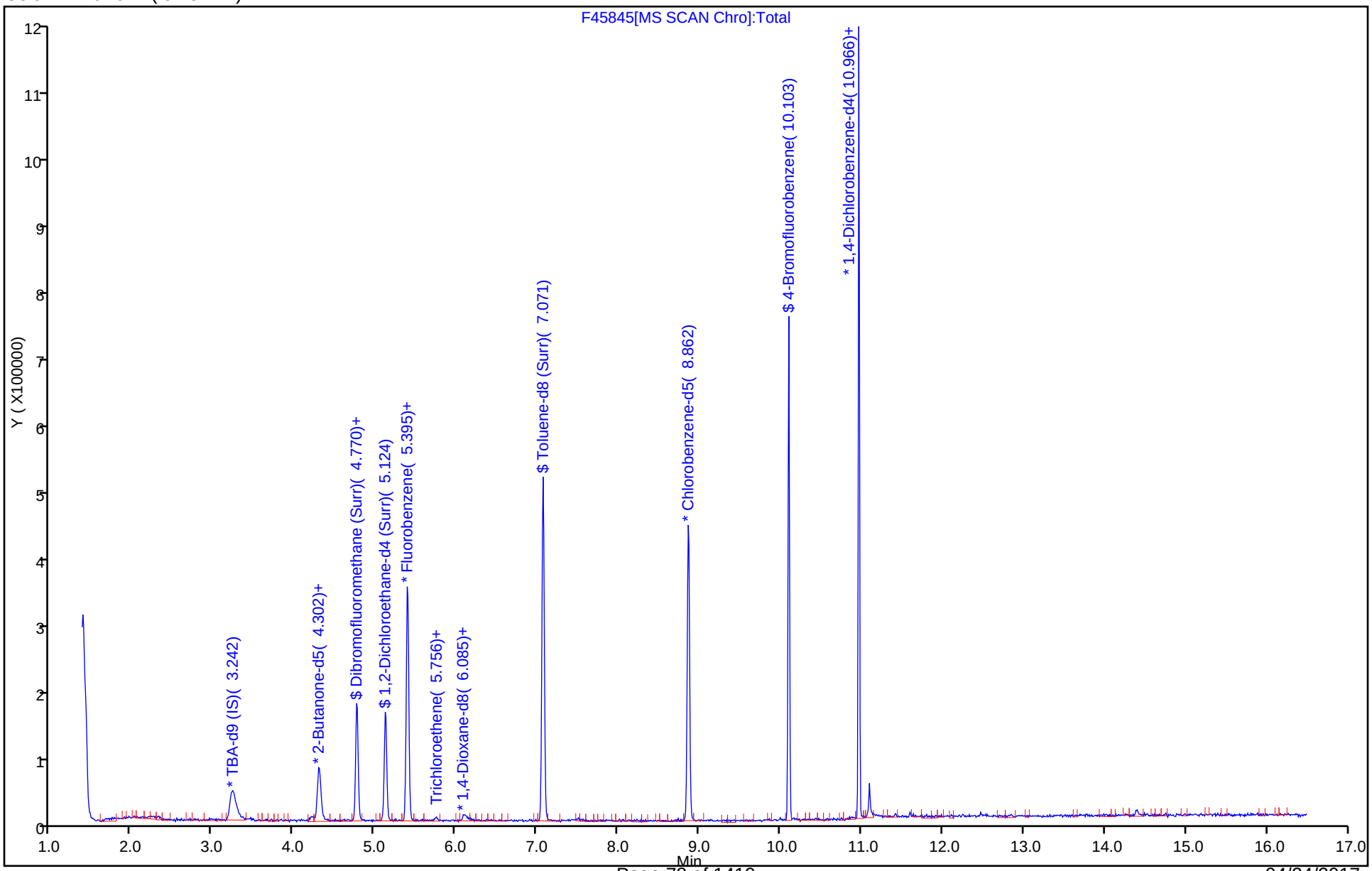
Report Date: 17-Apr-2017 16:09:21 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45845.D

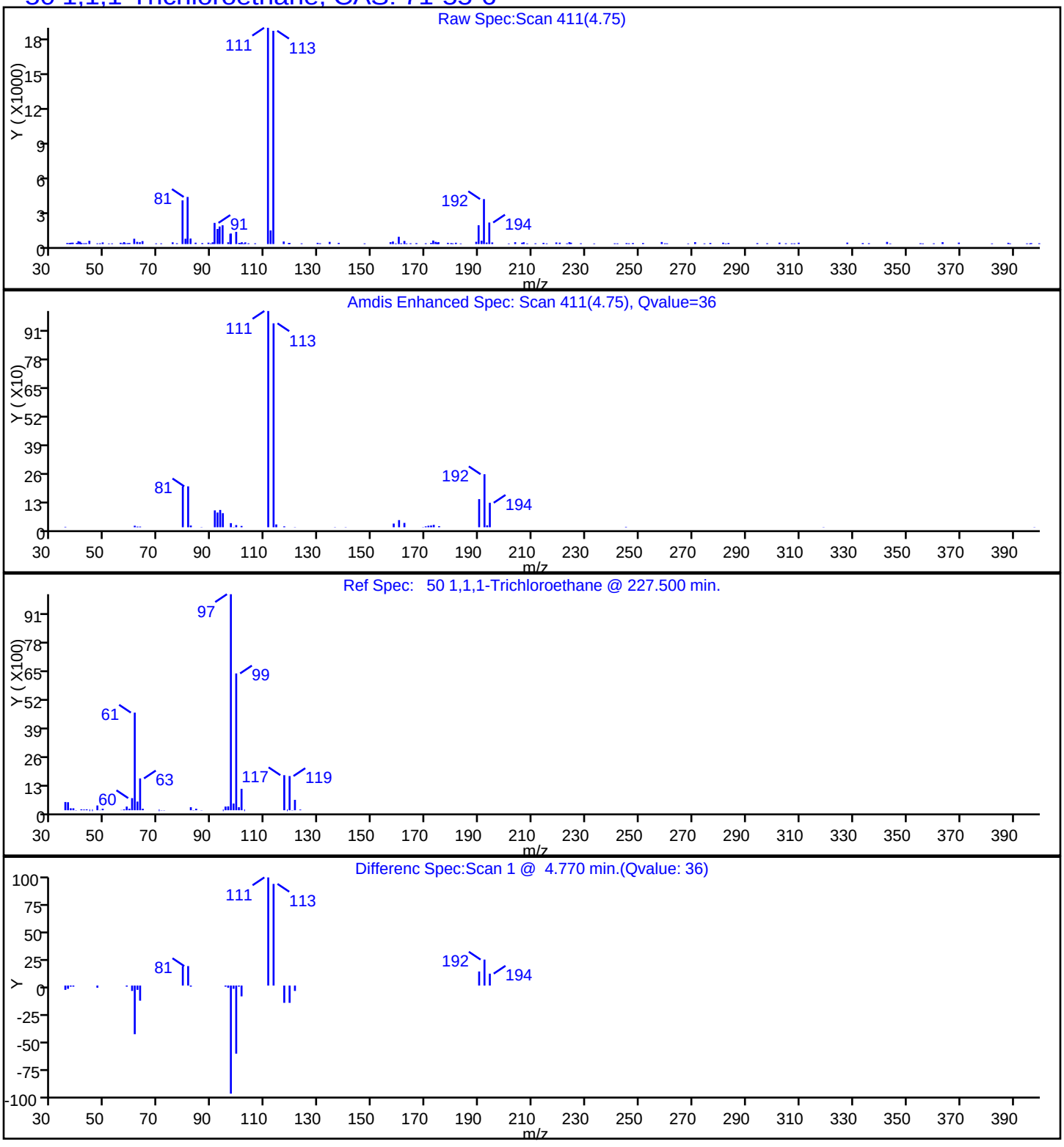
Injection Date:	15-Apr-2017 07:04:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-131030-B-2	Lab Sample ID:	460-131030-2	Worklist Smp#:	18
Client ID:	17S-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45845.D
Injection Date: 15-Apr-2017 07:04:30 Instrument ID: CVOAMS6
Lims ID: 460-131030-B-2 Lab Sample ID: 460-131030-2
Client ID: 17S-42017
Operator ID: ALS Bottle#: 13 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

50 1,1,1-Trichloroethane, CAS: 71-55-6



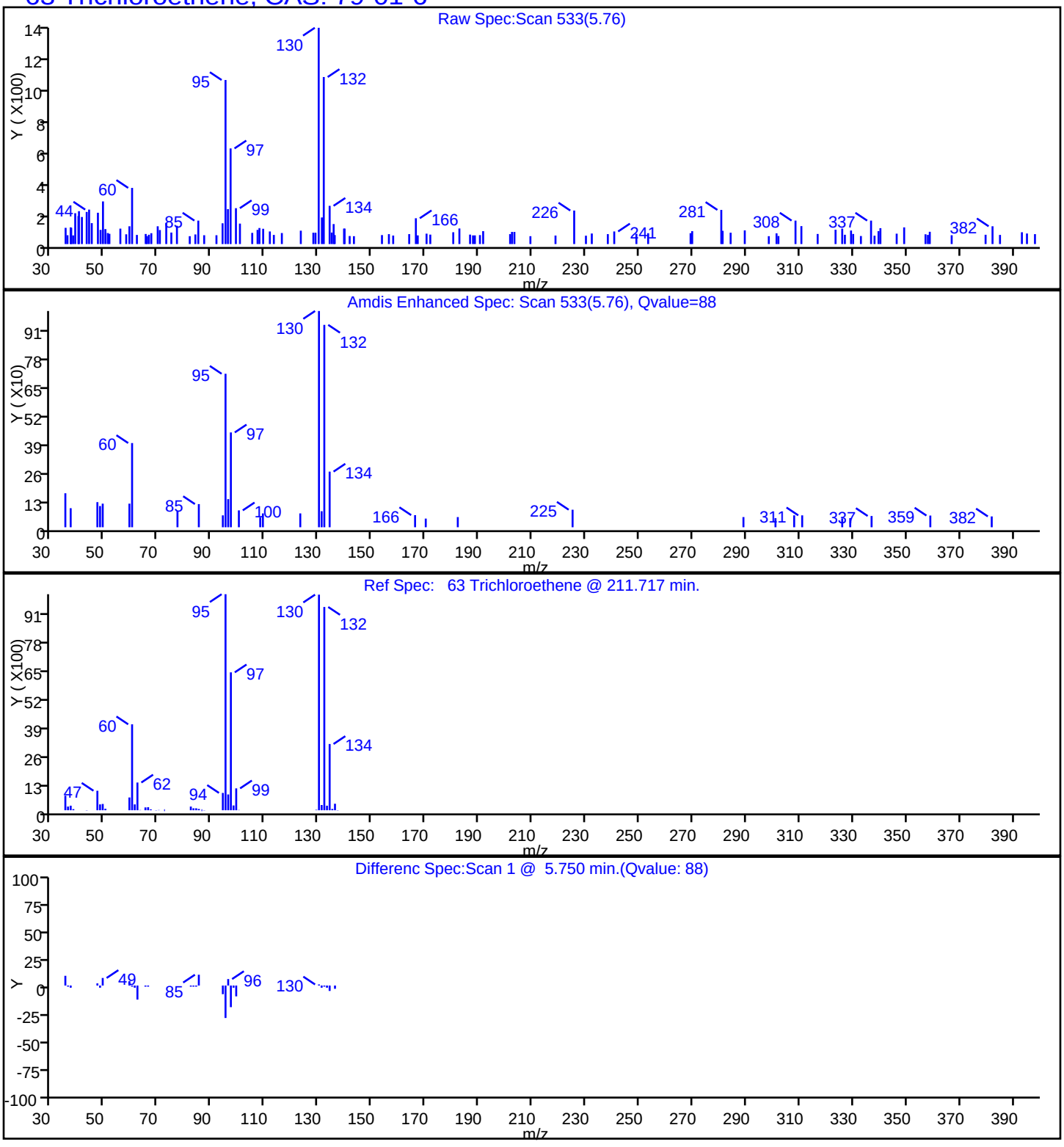
Report Date: 17-Apr-2017 16:09:22 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45845.D

Injection Date:	15-Apr-2017 07:04:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-2	Lab Sample ID:	460-131030-2
Client ID:	17S-42017		
Operator ID:		ALS Bottle#:	13 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

TestAmerica Edison

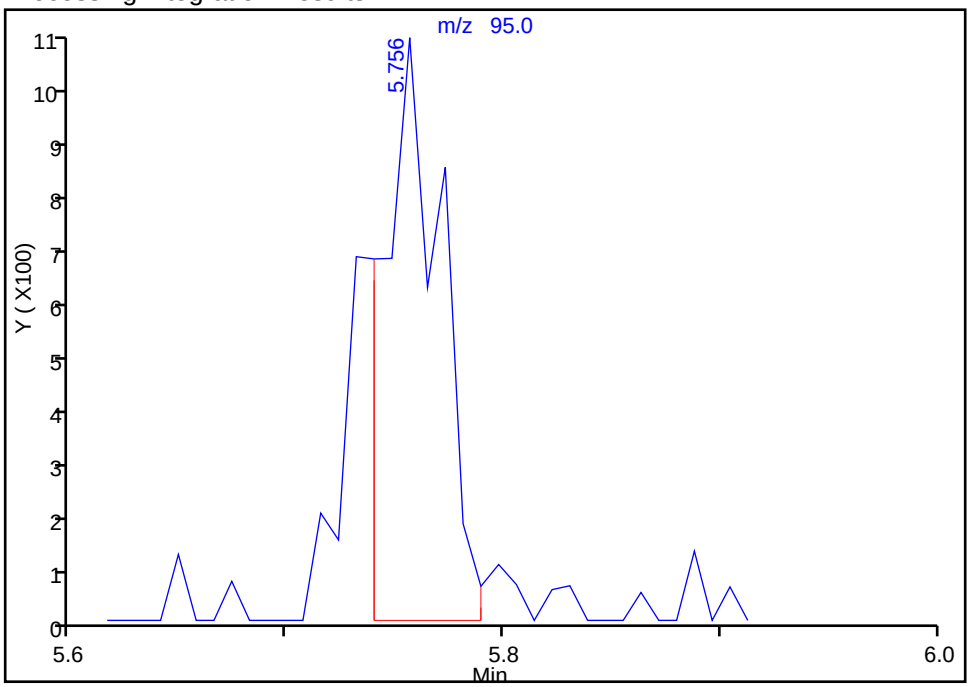
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Injection Date:	15-Apr-2017 07:04:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-2	Lab Sample ID:	460-131030-2
Client ID:	17S-42017		
Operator ID:		ALS Bottle#:	13 Worklist Smp#: 18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6

Signal: 1

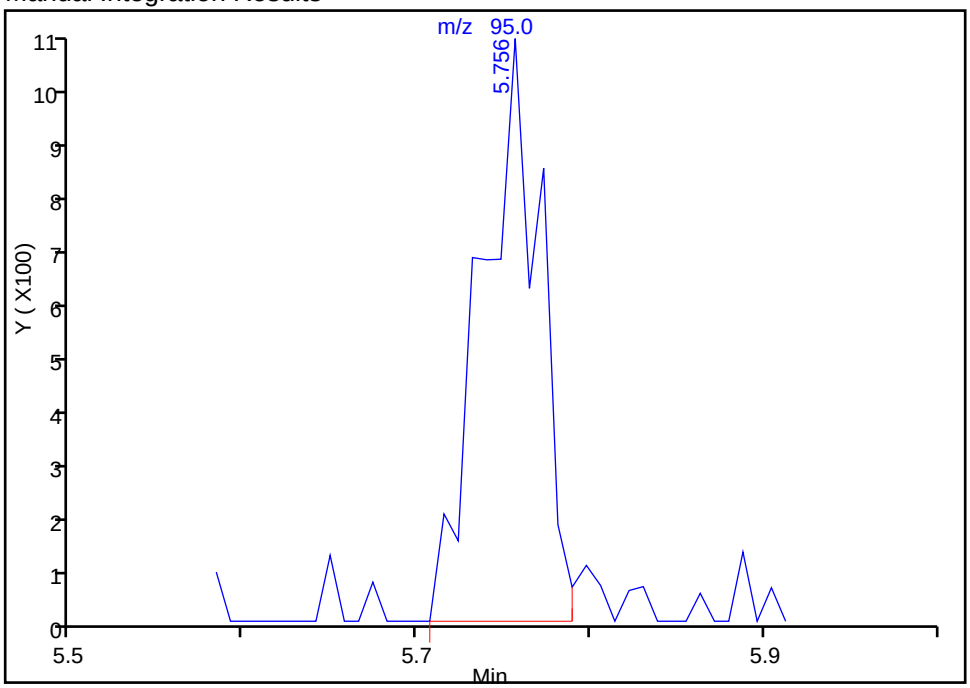
Processing Integration Results

RT: 5.76
Area: 1962
Amount: 0.719801
Amount Units: ug/l



Manual Integration Results

RT: 5.76
Area: 2449
Amount: 0.898467
Amount Units: ug/l



Reviewer: delpolitov, 17-Apr-2017 16:09:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 18S-42017 | Lab Sample ID: 460-131030-3

Matrix: Water | Lab File ID: F45839.D

Analysis Method: 8260C | Date Collected: 04/05/2017 11:57

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 04:46

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	3.5		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	2.2	U F1	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
124-48-1	Chlorodibromomethane	0.22	U	1.0	0.22
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
75-27-4	Dichlorobromomethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 18S-42017 | Lab Sample ID: 460-131030-3

Matrix: Water | Lab File ID: F45839.D

Analysis Method: 8260C | Date Collected: 04/05/2017 11:57

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 04:46

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
79-20-9	Methyl acetate	0.58	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	0.28	U	1.0	0.28
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.79	J	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	11		1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		74-132
460-00-4	4-Bromofluorobenzene	100		77-124
1868-53-7	Dibromofluoromethane (Surr)	100		72-131
2037-26-5	Toluene-d8 (Surr)	91		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 18S-42017 | Lab Sample ID: 460-131030-3

Matrix: Water | Lab File ID: F45839.D

Analysis Method: 8260C | Date Collected: 04/05/2017 11:57

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 04:46

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.: 430489 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45839.D
Lims ID: 460-131030-B-3
Client ID: 18S-42017
Sample Type: Client
Inject. Date: 15-Apr-2017 04:46:30 ALS Bottle#: 7 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-B-3
Misc. Info.: 460-0053757-012
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Apr-2017 16:04:51 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: martineze Date: 15-Apr-2017 12:09:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	46	3.242	3.234	0.008	95	44831	1000.0	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	74	92968	250.0	
50 1,1,1-Trichloroethane	97	4.762	4.762	0.000	40	16722	3.48	
$ 51 Dibromofluoromethane (Surr	113	4.779	4.770	0.009	97	110122	49.8	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	97	130486	45.6	
* 61 Fluorobenzene	96	5.395	5.395	0.000	99	368173	50.0	
63 Trichloroethene	95	5.748	5.748	0.000	95	31057	11.4	
* 67 1,4-Dioxane-d8	96	6.110	6.110	0.000	94	13528	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	405268	45.4	
83 Tetrachloroethene	166	7.753	7.753	0.000	91	2516	0.7938	
* 89 Chlorobenzene-d5	117	8.863	8.863	0.000	85	327782	50.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	190709	50.0	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	94	226329	50.0	

Reagents:

8260ISNEW_00102	Amount Added: 1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added: 1.00	Units: uL	Run Reagent

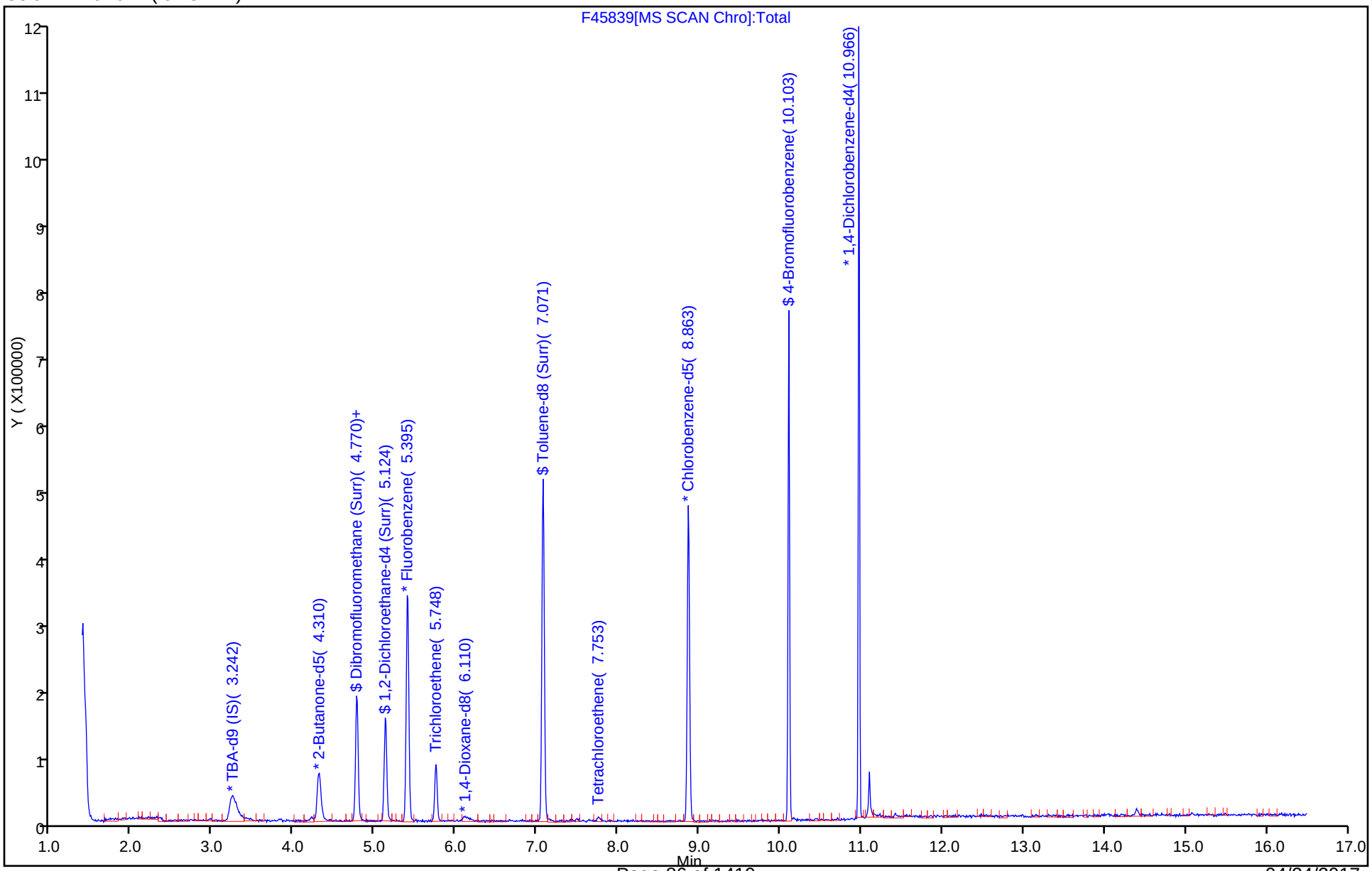
Report Date: 17-Apr-2017 16:04:52 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45839.D

Injection Date:	15-Apr-2017 04:46:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-131030-B-3	Lab Sample ID:	460-131030-3	Worklist Smp#:	12
Client ID:	18S-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

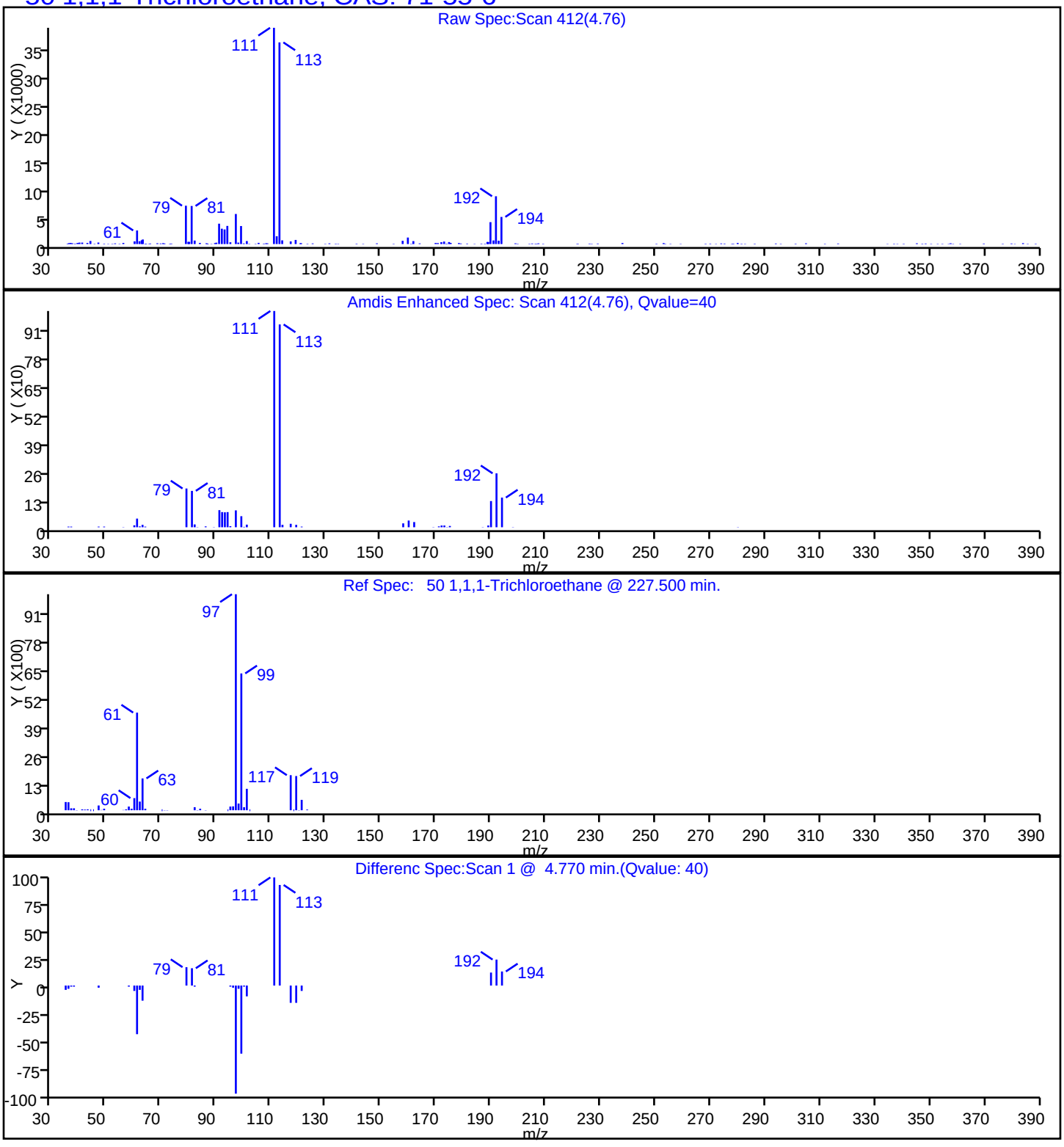
Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45839.D		
Injection Date:	15-Apr-2017 04:46:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-3	Lab Sample ID:	460-131030-3
Client ID:	18S-42017		
Operator ID:		ALS Bottle#:	7 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

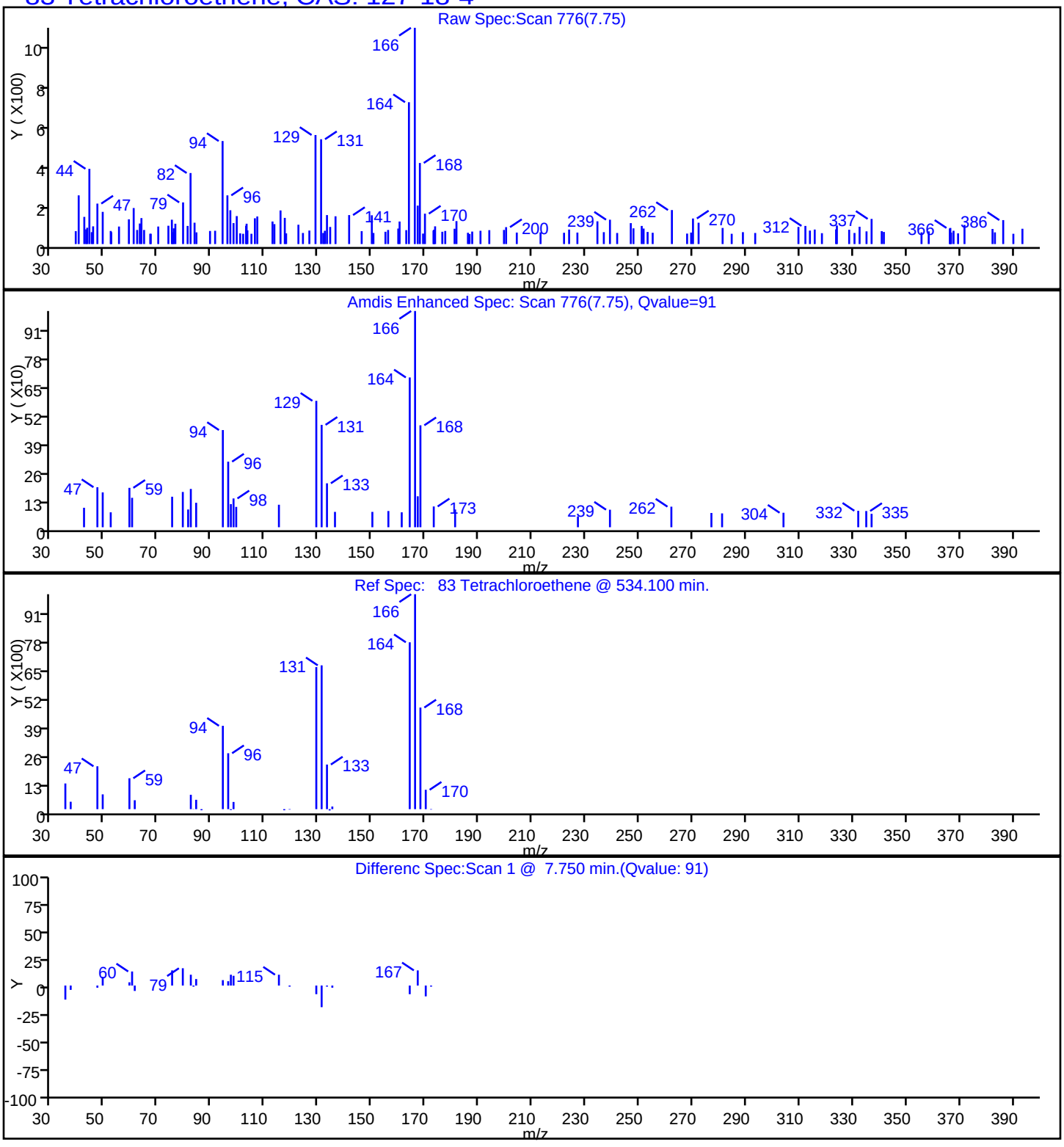
50 1,1,1-Trichloroethane, CAS: 71-55-6



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45839.D		
Injection Date:	15-Apr-2017 04:46:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-3	Lab Sample ID:	460-131030-3
Client ID:	18S-42017		
Operator ID:		ALS Bottle#:	7 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

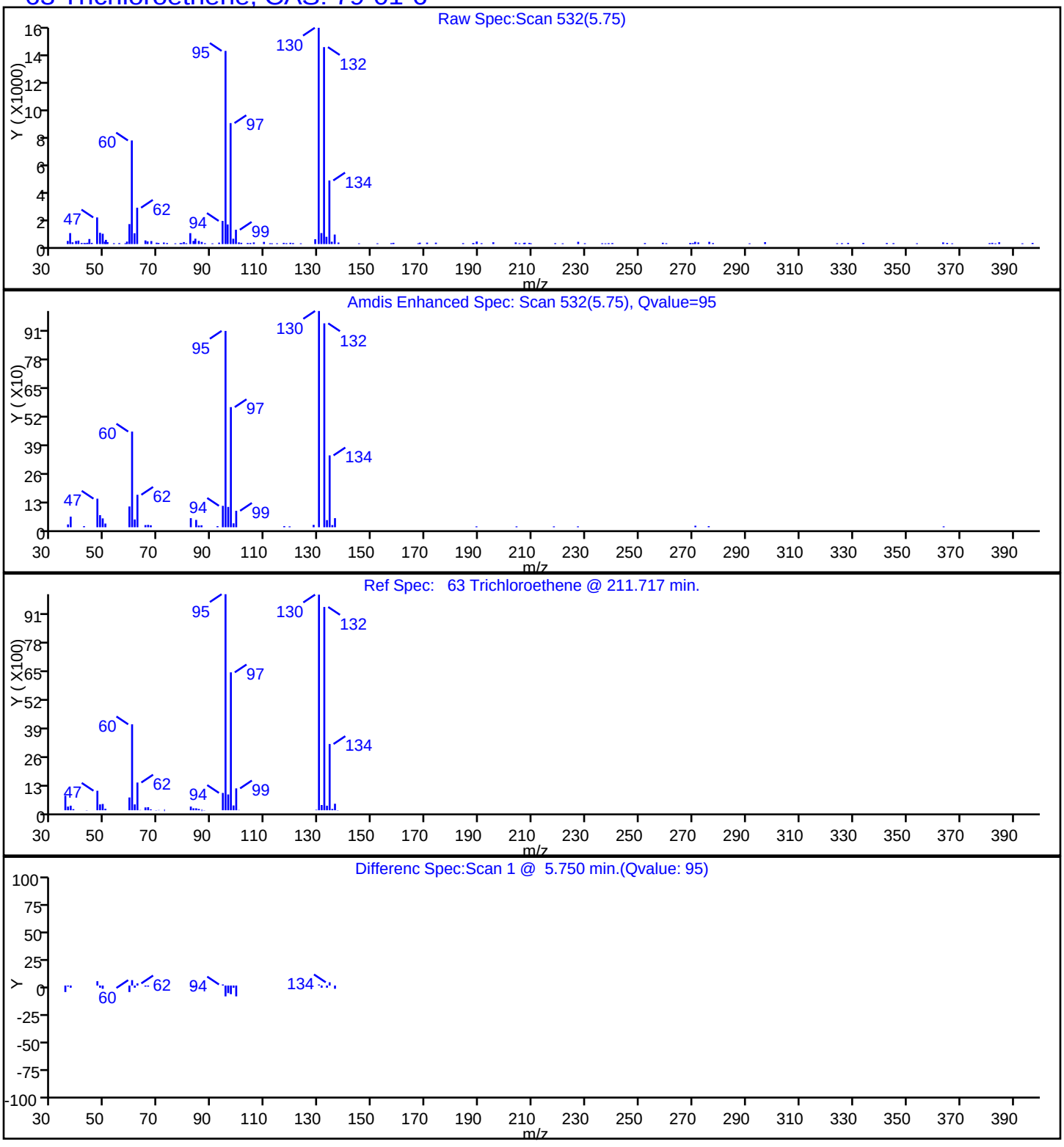
83 Tetrachloroethene, CAS: 127-18-4



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45839.D

Injection Date:	15-Apr-2017 04:46:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-3	Lab Sample ID:	460-131030-3
Client ID:	18S-42017		
Operator ID:		ALS Bottle#:	7 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 15S-42017 | Lab Sample ID: 460-131030-4

Matrix: Water | Lab File ID: F45846.D

Analysis Method: 8260C | Date Collected: 04/05/2017 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 07:27

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.2		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	8.3		1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	120		5.0	2.2
591-78-6	2-Hexanone	24		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	59		5.0	1.1
71-43-2	Benzene	0.16	J	1.0	0.090
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
124-48-1	Chlorodibromomethane	0.22	U	1.0	0.22
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	2.1		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
75-27-4	Dichlorobromomethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 15S-42017 | Lab Sample ID: 460-131030-4

Matrix: Water | Lab File ID: F45846.D

Analysis Method: 8260C | Date Collected: 04/05/2017 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 07:27

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
79-20-9	Methyl acetate	11		5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	0.29	J	1.0	0.28
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.29	J	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	13		1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		74-132
460-00-4	4-Bromofluorobenzene	102		77-124
1868-53-7	Dibromofluoromethane (Surr)	104		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 15S-42017 | Lab Sample ID: 460-131030-4

Matrix: Water | Lab File ID: F45846.D

Analysis Method: 8260C | Date Collected: 04/05/2017 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 07:27

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.: 430489 | Units: ug/L

Number TICs Found: 10 | TIC Result Total: 398

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
96-47-9	Furan, tetrahydro-2-methyl-	5.24	13	J N	91%
107-87-9	2-Pentanone	5.99	50	J N	87%
	Unknown	6.24	21	J	
	Unknown	7.66	81	J	
	Unknown	9.50	88	J	
110-43-0	2-Heptanone	9.75	22	J N	91%
111-70-6	1-Heptanol	10.62	13	J N	90%
106-68-3	3-Octanone	10.72	49	J N	94%
	Unknown	10.79	42	J	
111-87-5	1-Octanol	11.39	19	J N	90%

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D
Lims ID: 460-131030-B-4
Client ID: 15S-42017
Sample Type: Client
Inject. Date: 15-Apr-2017 07:27:30 ALS Bottle#: 14 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-B-4
Misc. Info.: 460-0053757-019
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Apr-2017 16:11:26 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: martineze Date: 15-Apr-2017 12:17:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	2.889	2.889	0.000	85	35731	59.3	
24 Methyl acetate	43	3.127	3.119	0.008	99	16060	10.6	
* 26 TBA-d9 (IS)	46	3.234	3.234	0.000	95	47997	1000.0	
34 1,1-Dichloroethane	63	3.817	3.817	0.000	99	42558	8.32	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	76	101302	250.0	
40 cis-1,2-Dichloroethene	96	4.327	4.335	-0.008	35	6736	2.12	M
41 2-Butanone (MEK)	72	4.351	4.351	0.000	100	26714	121.8	
50 1,1,1-Trichloroethane	97	4.762	4.762	0.000	36	5685	1.16	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	97	116672	51.8	
55 Benzene	78	5.116	5.107	0.009	42	1726	0.1647	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	96	137857	47.2	
* 61 Fluorobenzene	96	5.395	5.395	0.000	99	375453	50.0	
63 Trichloroethene	95	5.748	5.748	0.000	96	36494	13.2	
* 67 1,4-Dioxane-d8	96	6.110	6.110	0.000	51	15625	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	410859	47.2	
83 Tetrachloroethene	166	7.753	7.753	0.000	39	891	0.2885	M
85 2-Hexanone	43	7.992	7.992	0.000	95	36538	24.4	
* 89 Chlorobenzene-d5	117	8.862	8.863	0.000	85	319350	50.0	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	90	1649	0.2910	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	95	189494	51.0	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	94	231150	50.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D				
Lims ID:	460-131030-B-4				
Client ID:	15S-42017				
Sample Type:	Client				
Inject. Date:	15-Apr-2017 07:27:30	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-131030-B-4				
Misc. Info.:	460-0053757-019				
Operator ID:		Instrument ID:	CVOAMS6		
Method:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	17-Apr-2017 16:11:26	Calib Date:	21-Mar-2017 11:24:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\ChromNA\Edison\Database\NIST02.L				
Min. Match:	85				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK028				
First Level Reviewer: martineze		Date:	15-Apr-2017 12:17:50		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	96-47-9	Furan, tetrahydro-2-methyl-						
5.239	213032	12.9	61	91	1781	C5H10O	86	
	107-87-9	2-Pentanone						
5.987	819486	49.6	61	87	1686	C5H10O	86	
		Unknown						
6.241	345680	20.9	61					
		Unknown						
7.655	1483799	80.9	89					
		Unknown						
9.503	1621078	88.4	89					
	110-43-0	2-Heptanone						
9.750	404191	22.0	89	91	7236	C7H14O	114	
	111-70-6	1-Heptanol						
10.621	341959	12.7	116	90	8093	C7H16O	116	
	106-68-3	3-Octanone						
10.720	1304803	48.5	116	94	12025	C8H16O	128	
		Unknown						
10.785	1130550	42.1	116					
	111-87-5	1-Octanol						
11.393	517933	19.3	116	90	13186	C8H18O	130	

Report Date: 17-Apr-2017 16:11:26 Chrom Revision: 2.2 13-Mar-2017 15:50:30
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D
Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 61 Fluorobenzene	5.395	826464	50.0
* 89 Chlorobenzene-d5	8.862	916968	50.0
* 116 1,4-Dichlorobenzene-d4	10.966	1344227	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

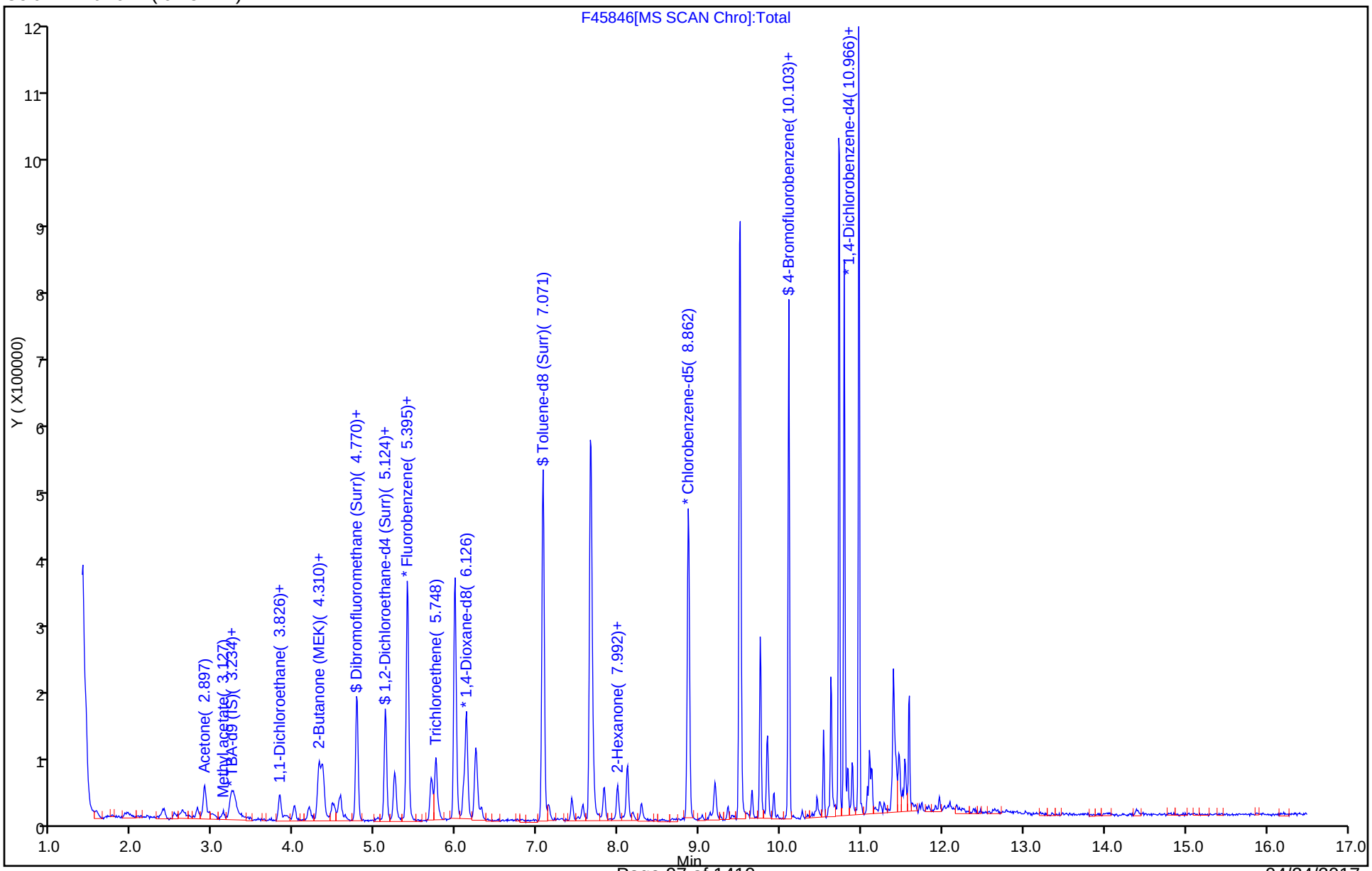
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TestAmerica Edison

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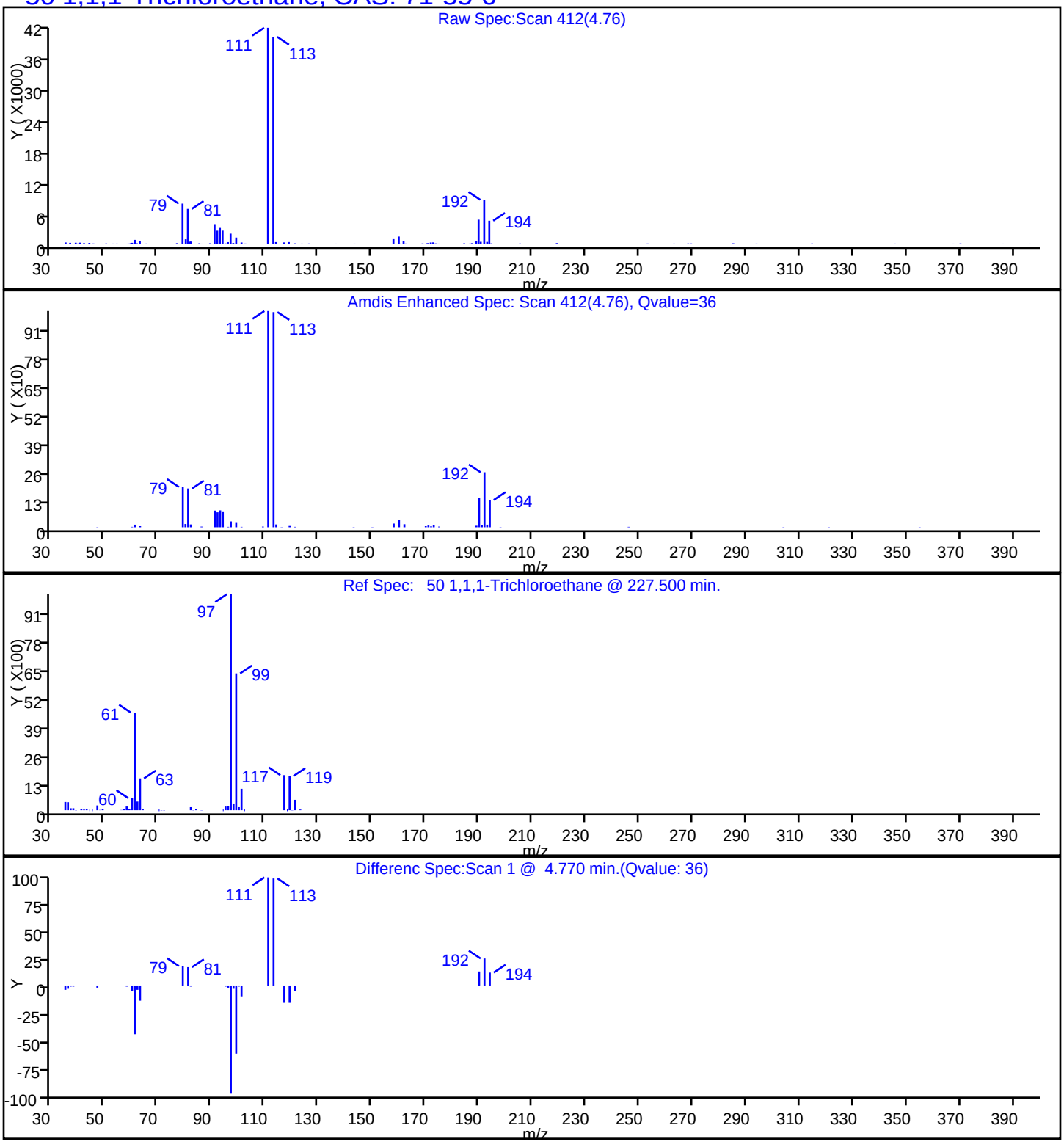
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Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4	Worklist Smp#:	19
Client ID:	15S-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



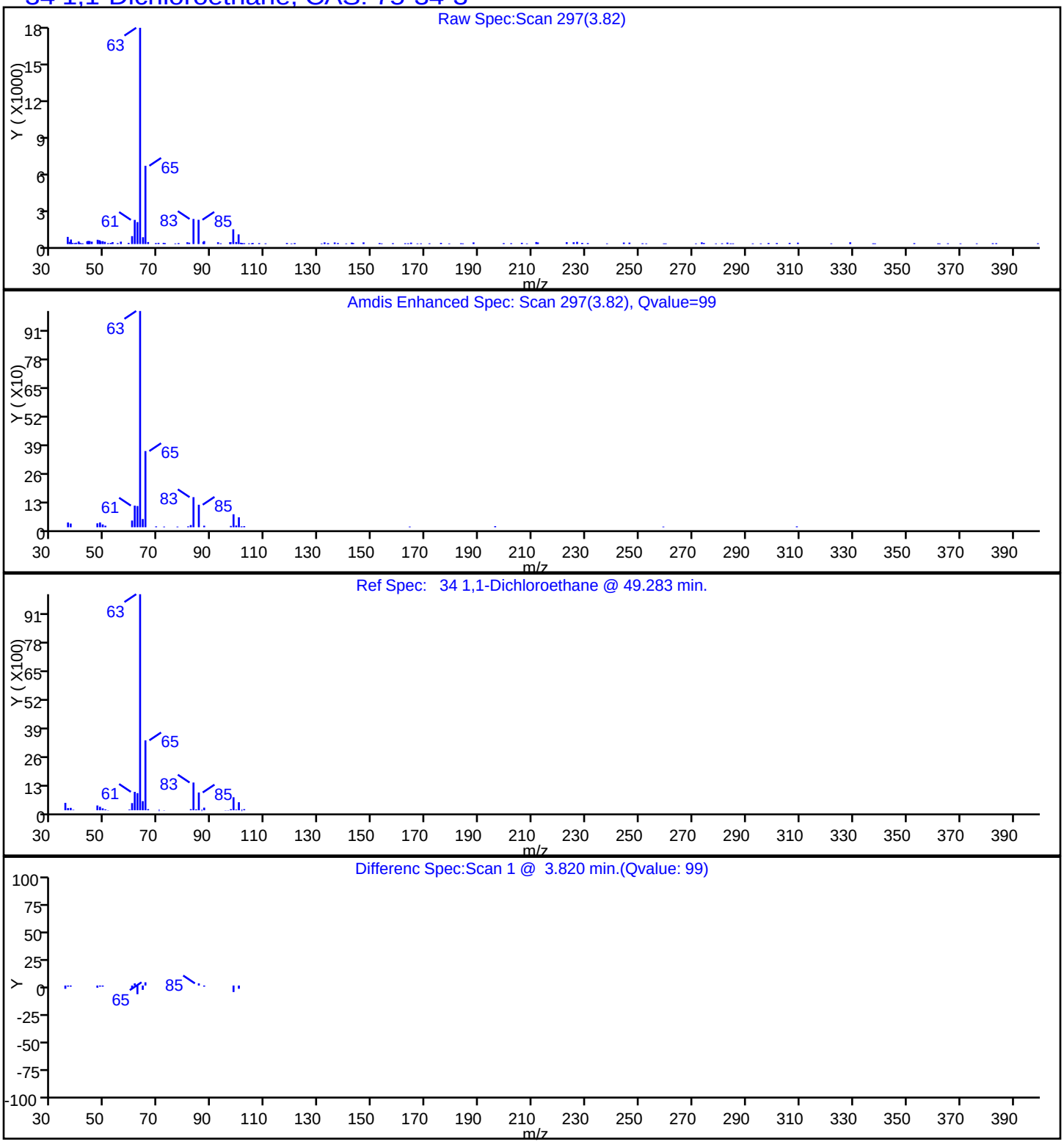
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Injection Date: 15-Apr-2017 07:27:30 Instrument ID: CVOAMS6
Lims ID: 460-131030-B-4 Lab Sample ID: 460-131030-4
Client ID: 15S-42017
Operator ID: ALS Bottle#: 14 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

50 1,1,1-Trichloroethane, CAS: 71-55-6



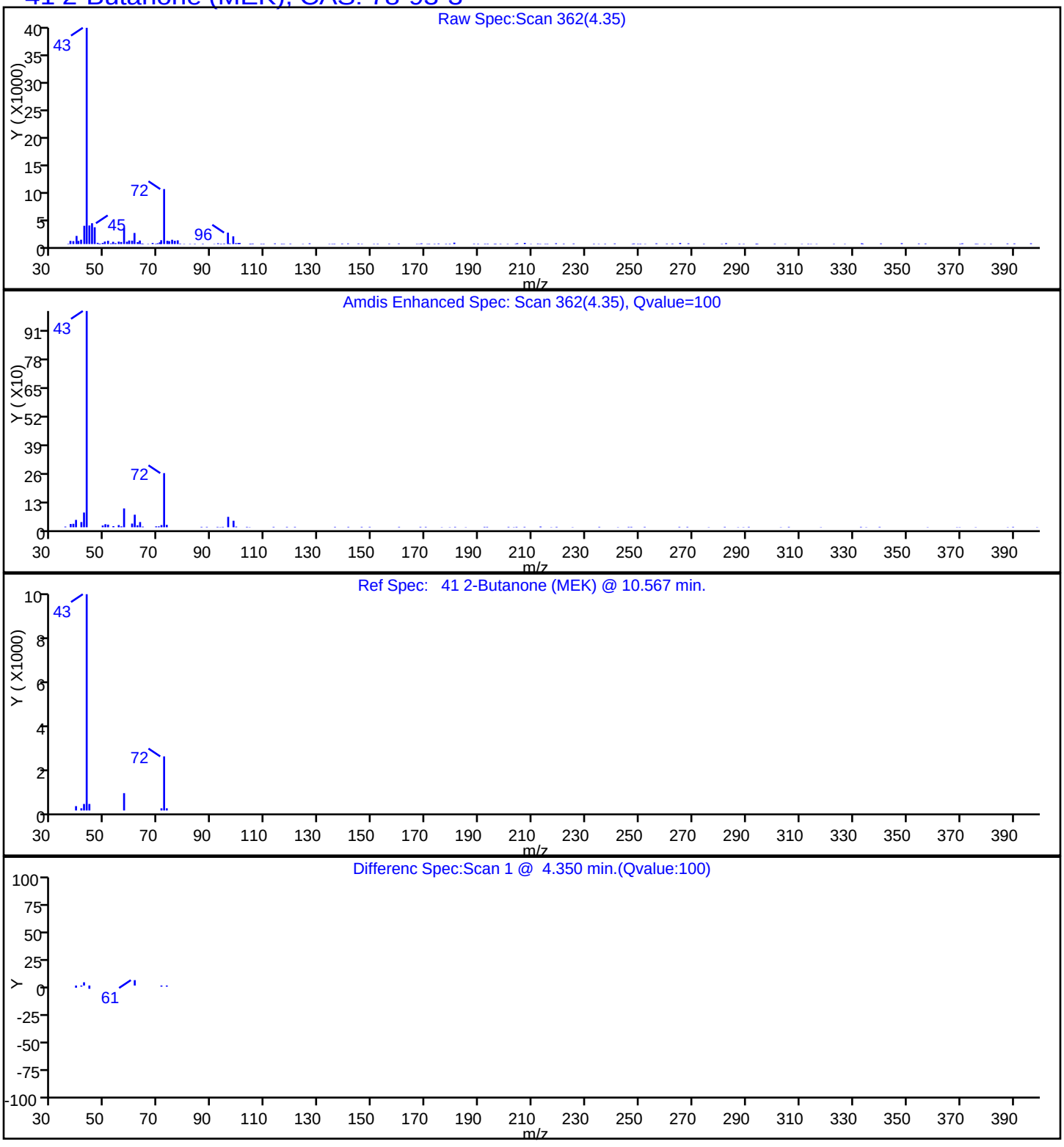
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Injection Date: 15-Apr-2017 07:27:30 Instrument ID: CVOAMS6
Lims ID: 460-131030-B-4 Lab Sample ID: 460-131030-4
Client ID: 15S-42017
Operator ID: ALS Bottle#: 14 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

34 1,1-Dichloroethane, CAS: 75-34-3



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D
Injection Date: 15-Apr-2017 07:27:30 Instrument ID: CVOAMS6
Lims ID: 460-131030-B-4 Lab Sample ID: 460-131030-4
Client ID: 15S-42017
Operator ID: ALS Bottle#: 14 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

41 2-Butanone (MEK), CAS: 78-93-3



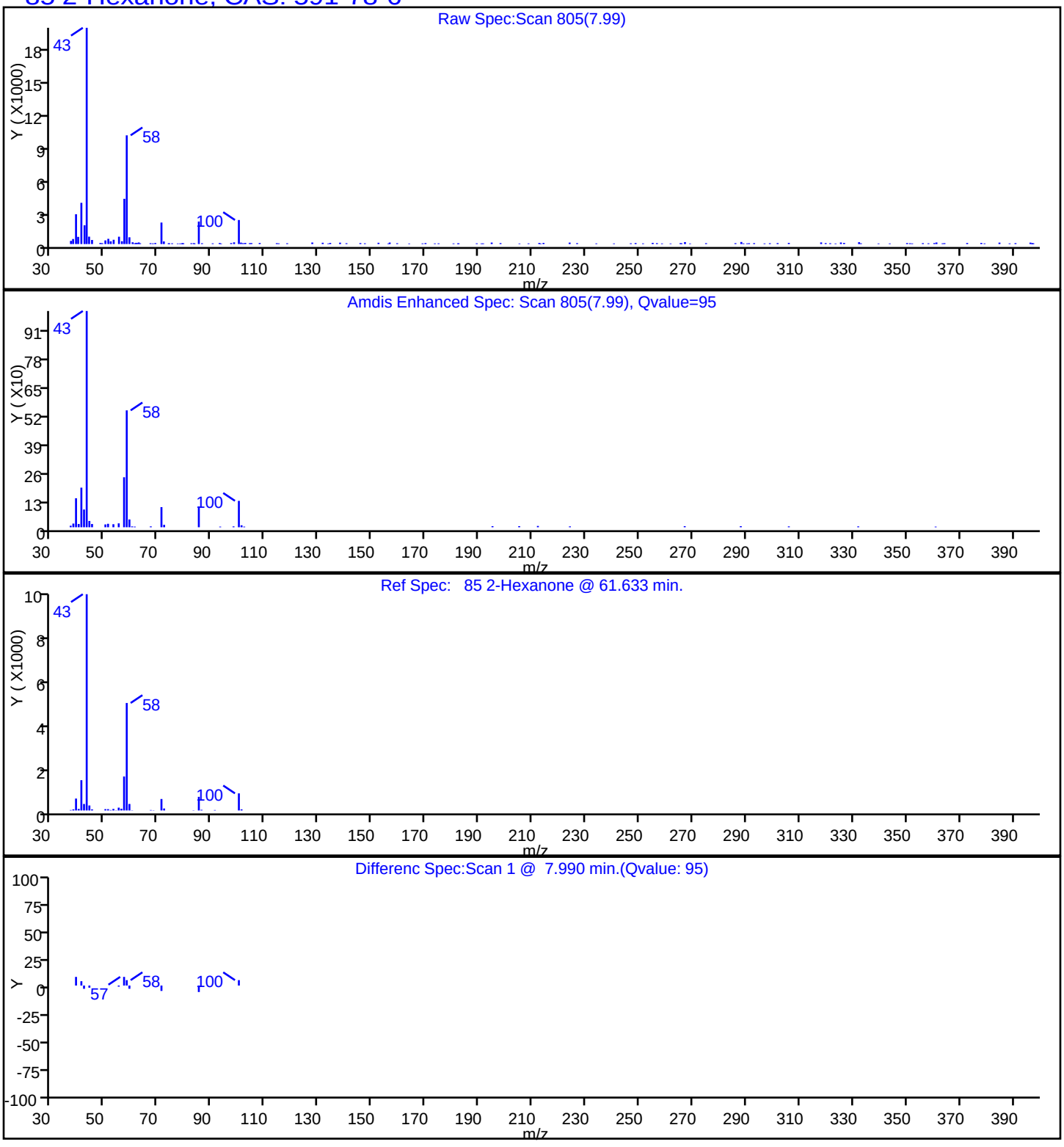
Report Date: 17-Apr-2017 16:11:27 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D

Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4		
Client ID:	15S-42017				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

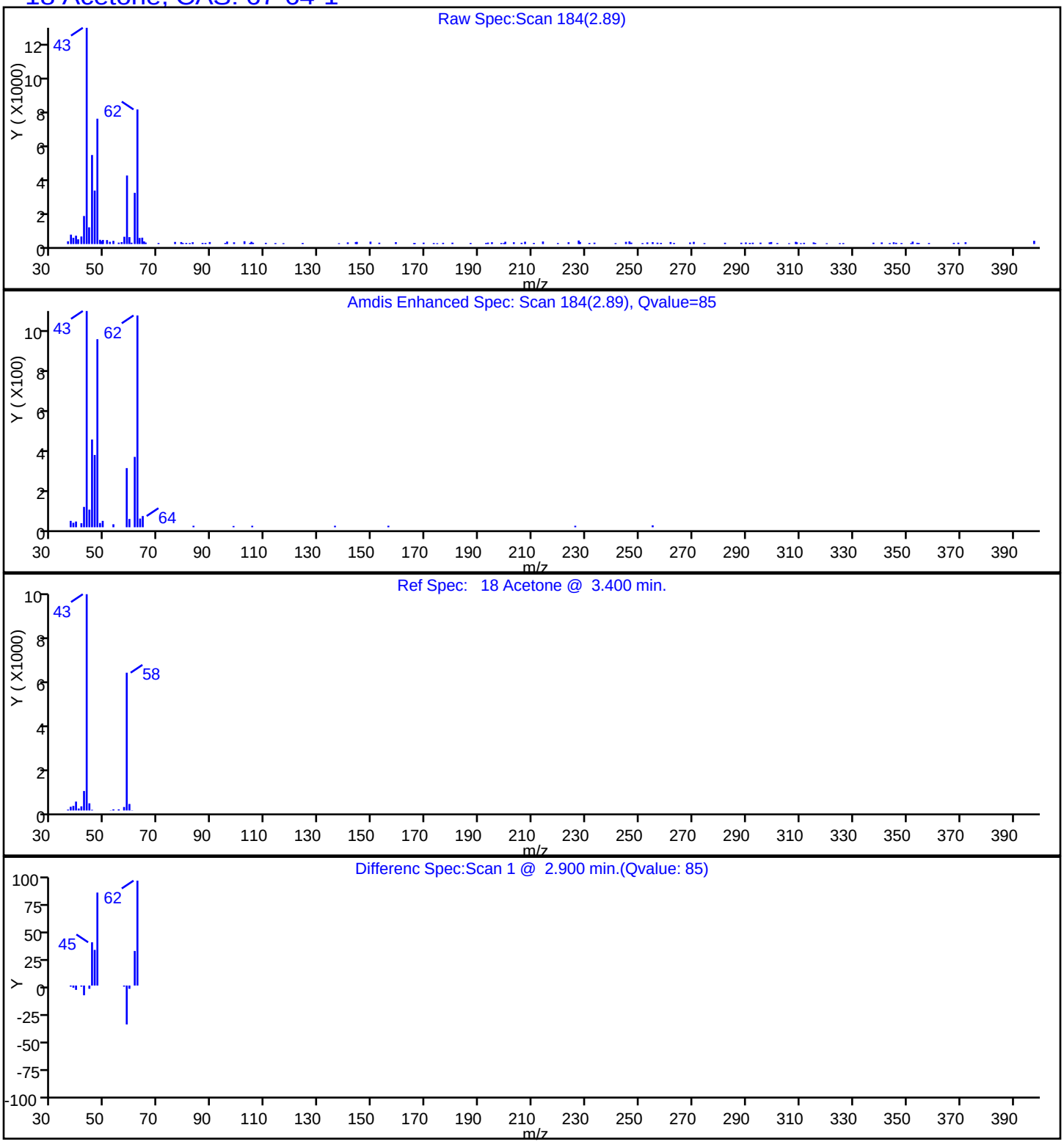
85 2-Hexanone, CAS: 591-78-6



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D		
Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4
Client ID:	15S-42017		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

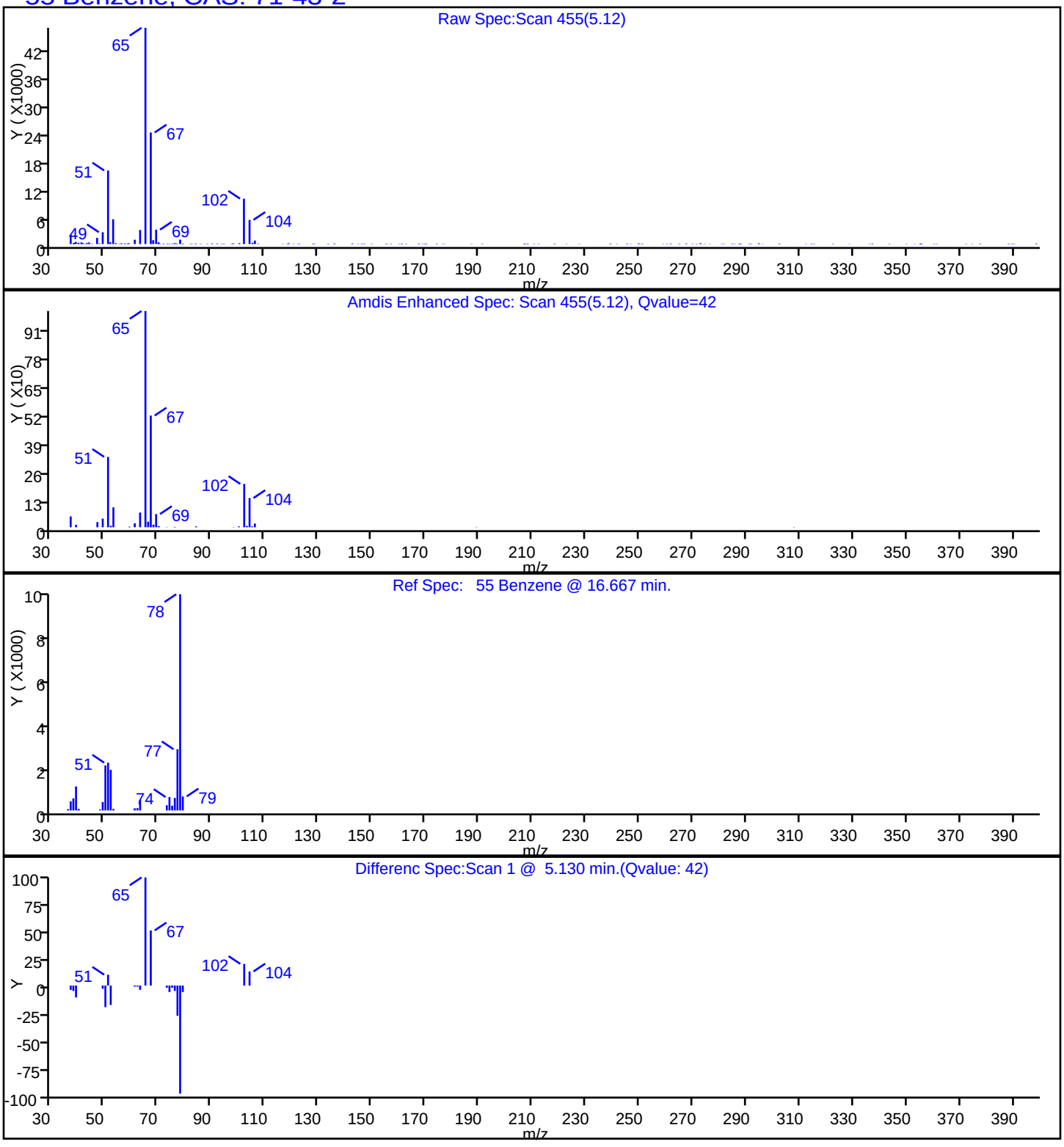
18 Acetone, CAS: 67-64-1



TestAmerica Edison

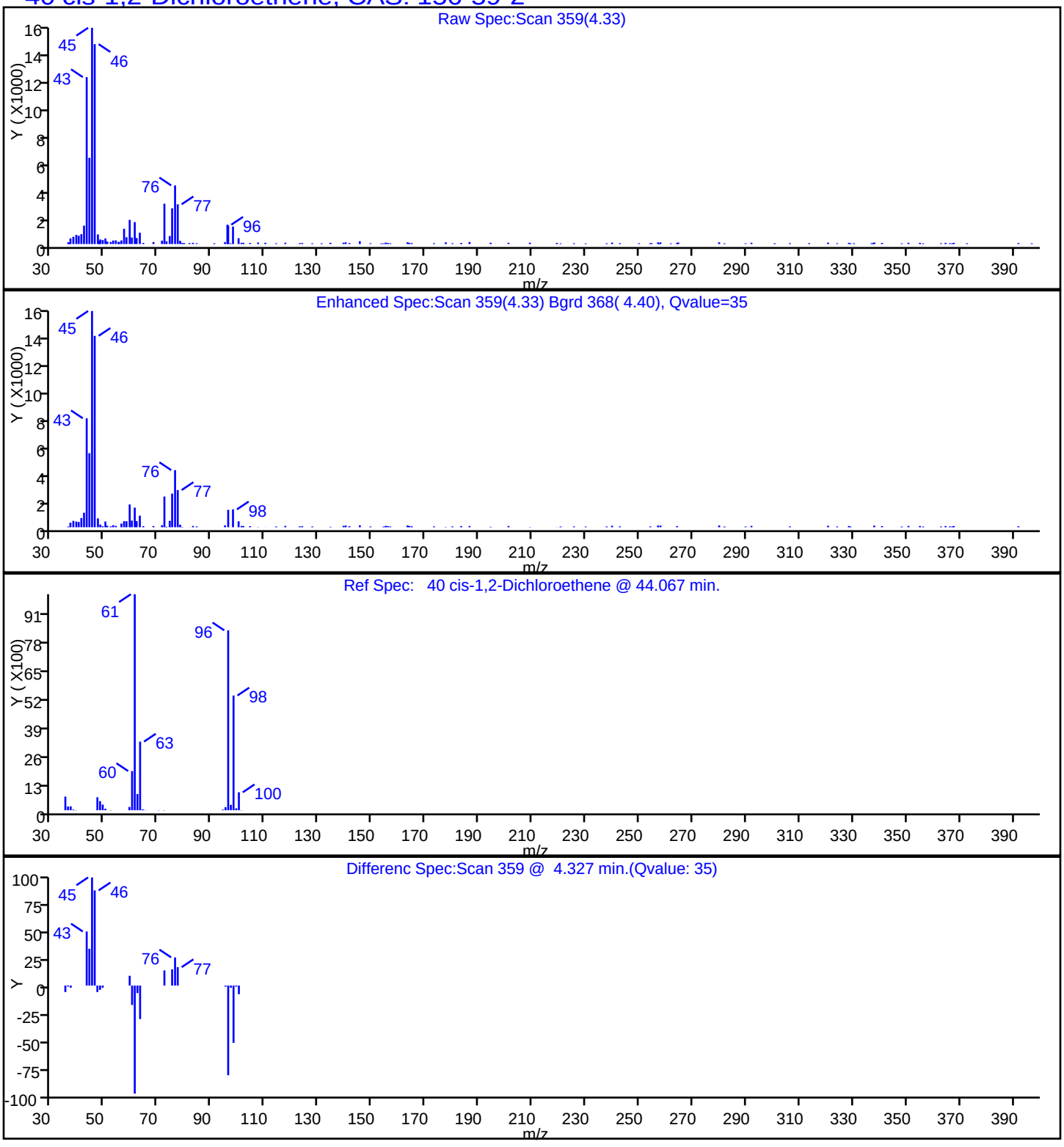
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Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4		
Client ID:	15S-42017				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

55 Benzene, CAS: 71-43-2



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D
Injection Date: 15-Apr-2017 07:27:30 Instrument ID: CVOAMS6
Lims ID: 460-131030-B-4 Lab Sample ID: 460-131030-4
Client ID: 15S-42017
Operator ID: ALS Bottle#: 14 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

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



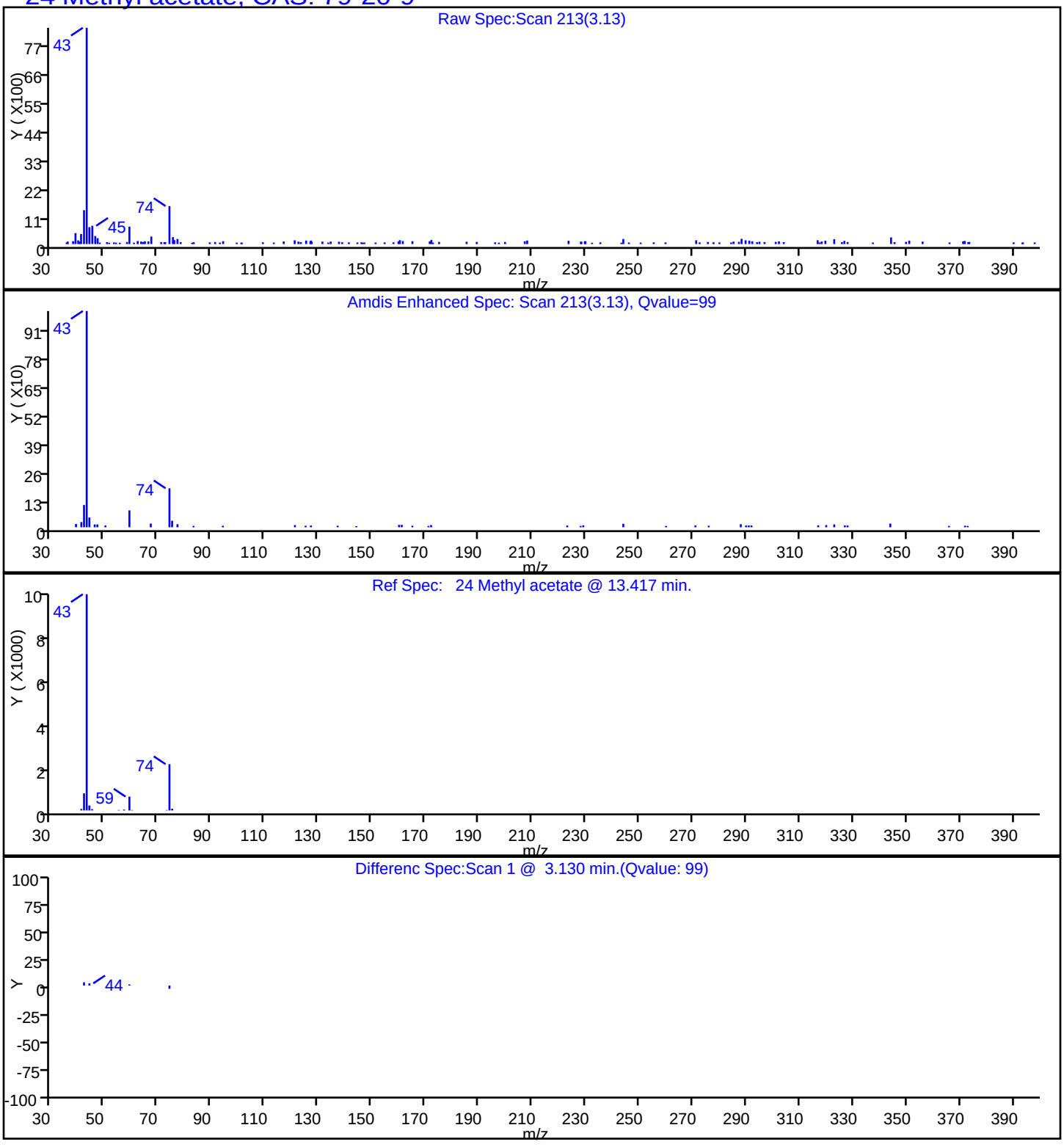
Report Date: 17-Apr-2017 16:11:27 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

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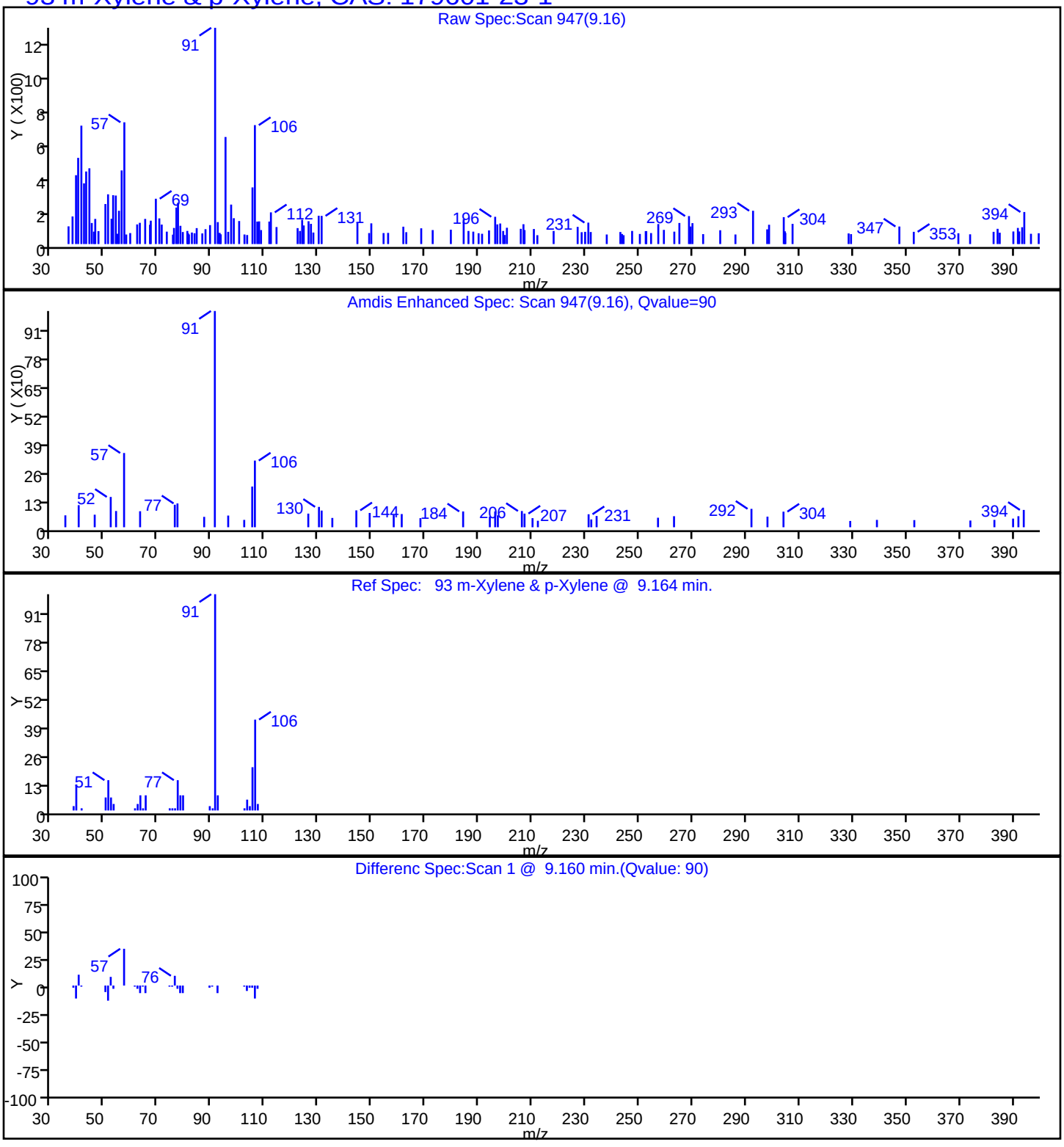
Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4		
Client ID:	15S-42017				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

24 Methyl acetate, CAS: 79-20-9



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D
Injection Date: 15-Apr-2017 07:27:30 Instrument ID: CVOAMS6
Lims ID: 460-131030-B-4 Lab Sample ID: 460-131030-4
Client ID: 15S-42017
Operator ID: ALS Bottle#: 14 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

93 m-Xylene & p-Xylene, CAS: 179601-23-1



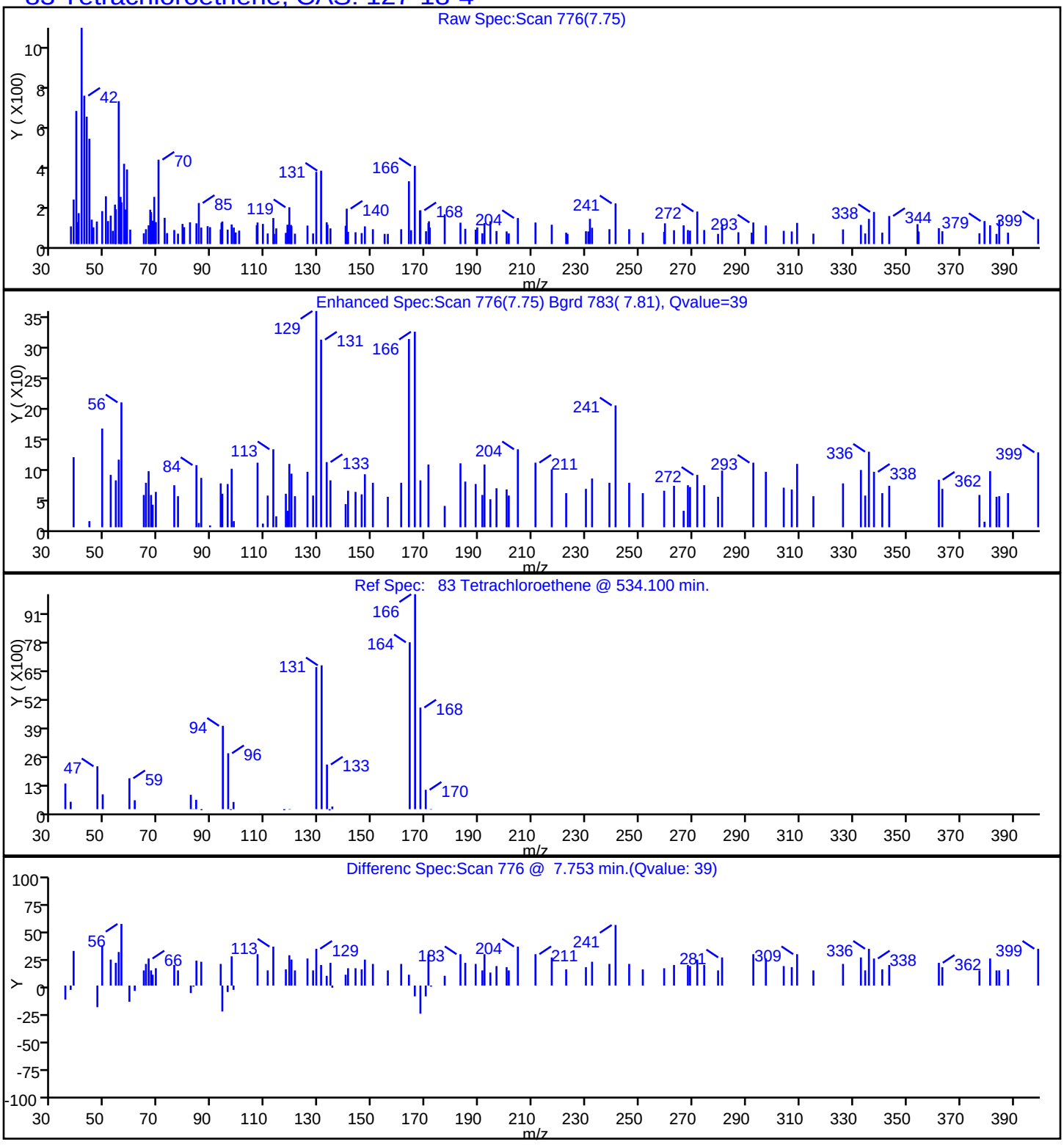
Report Date: 17-Apr-2017 16:11:27 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D

Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4		
Client ID:	15S-42017				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

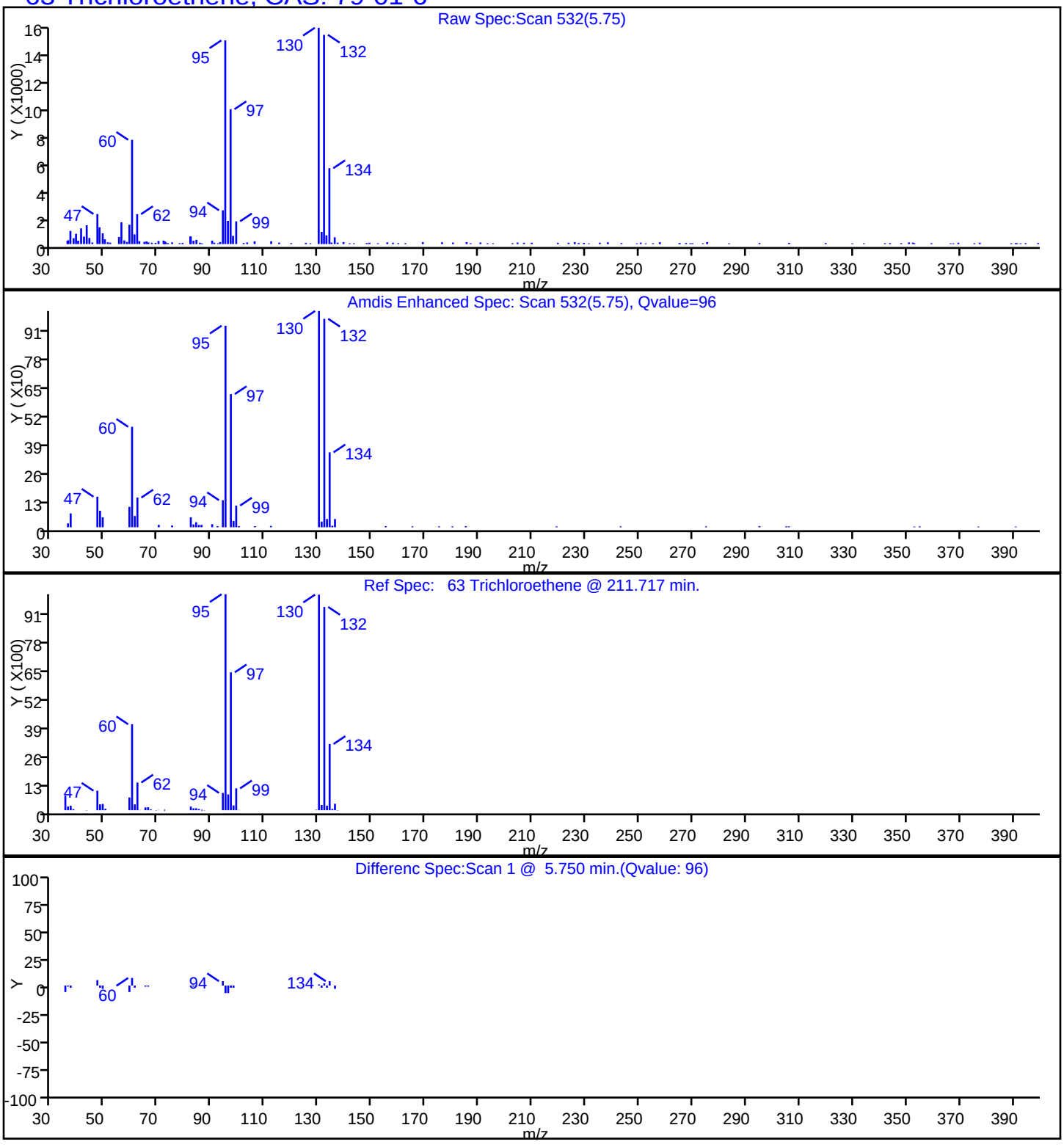
83 Tetrachloroethene, CAS: 127-18-4



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D

Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4
Client ID:	15S-42017		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

TestAmerica Edison

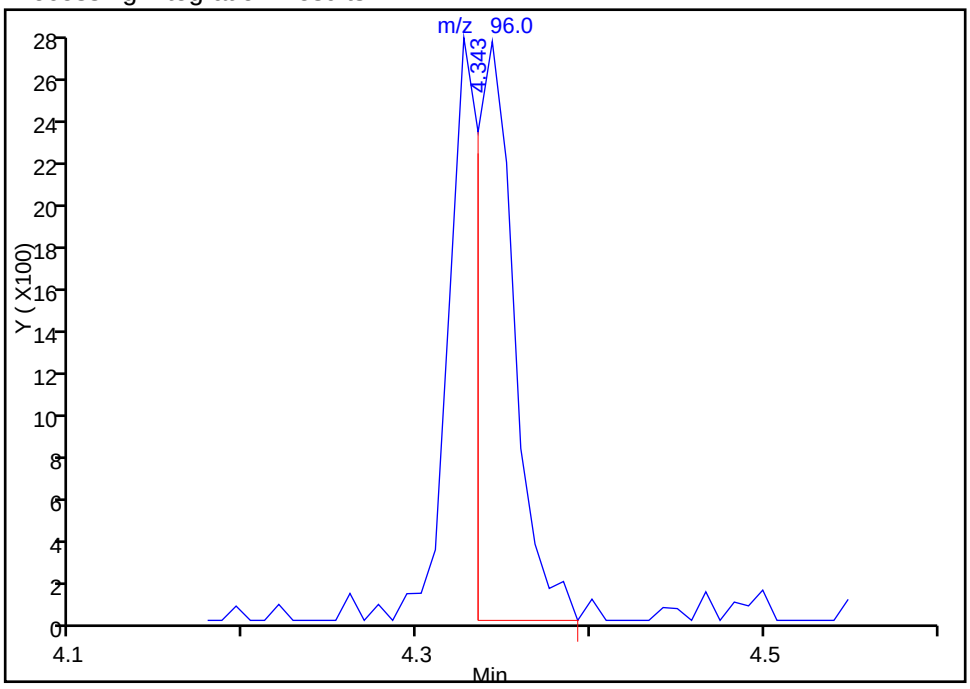
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Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4		
Client ID:	15S-42017				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

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

Signal: 1

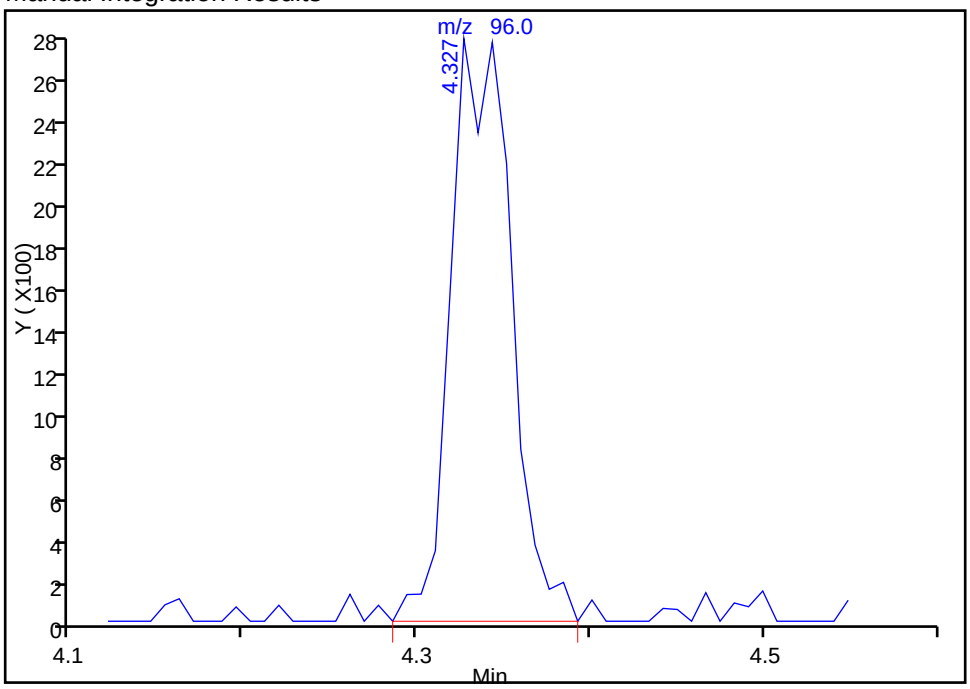
Processing Integration Results

RT: 4.34
Area: 4326
Amount: 1.360828
Amount Units: ug/l



Manual Integration Results

RT: 4.33
Area: 6736
Amount: 2.118940
Amount Units: ug/l



Reviewer: martineze, 17-Apr-2017 16:10:34

Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

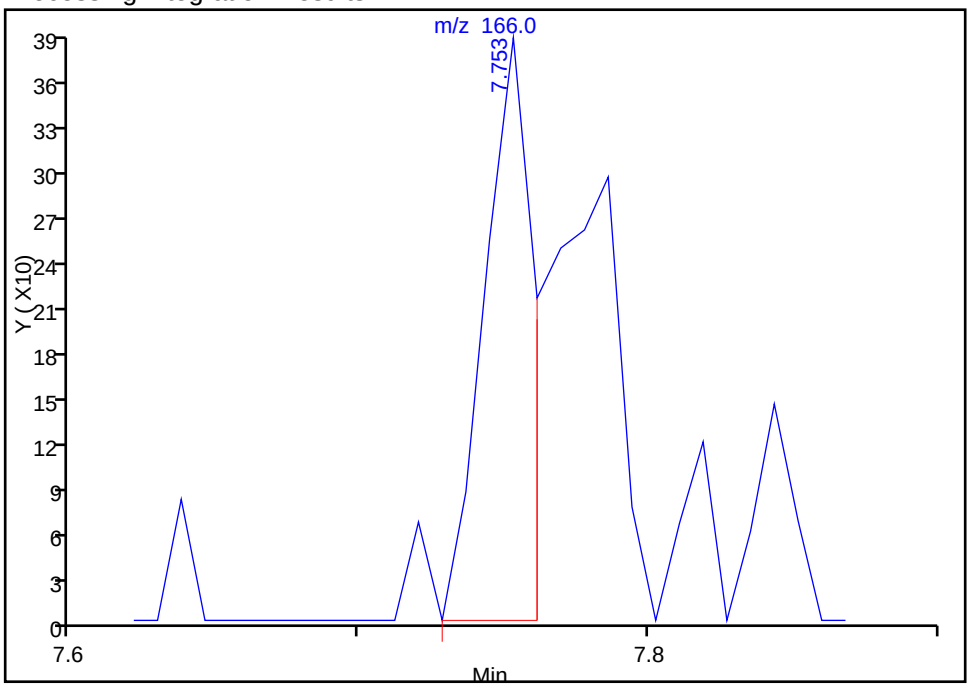
Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D		
Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4
Client ID:	15S-42017		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

83 Tetrachloroethene, CAS: 127-18-4

Signal: 1

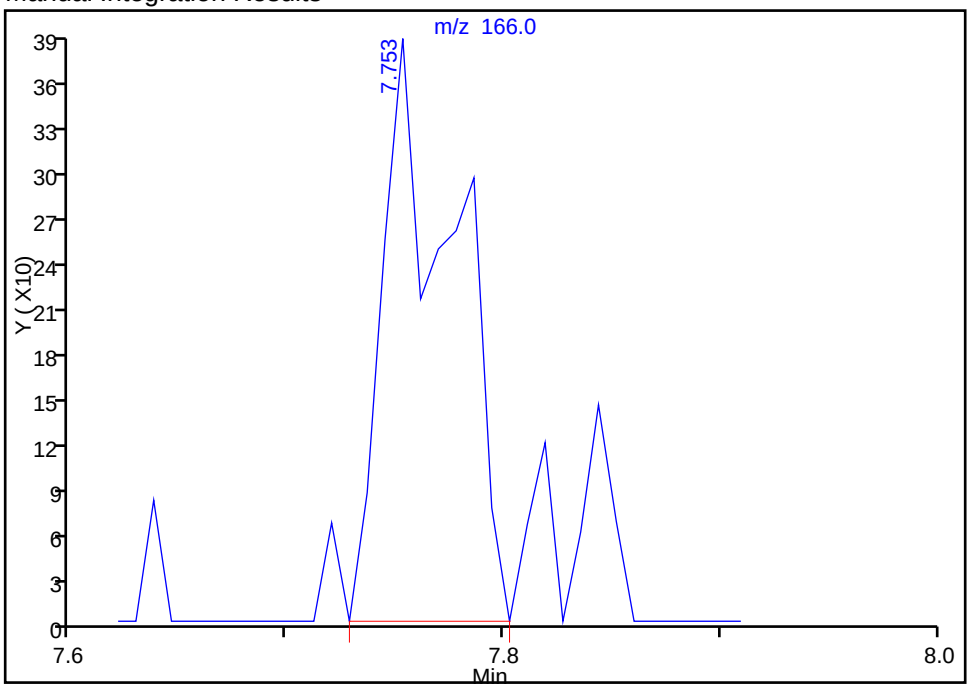
Processing Integration Results

RT: 7.75
Area: 461
Amount: 0.149291
Amount Units: ug/l



Manual Integration Results

RT: 7.75
Area: 891
Amount: 0.288543
Amount Units: ug/l



Reviewer: delpolitov, 17-Apr-2017 16:10:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Report Date: 17-Apr-2017 16:11:27 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D

Injection Date: 15-Apr-2017 07:27:30 Instrument ID: CVOAMS6

Lims ID: 460-131030-B-4 Lab Sample ID: 460-131030-4

Client ID: 15S-42017

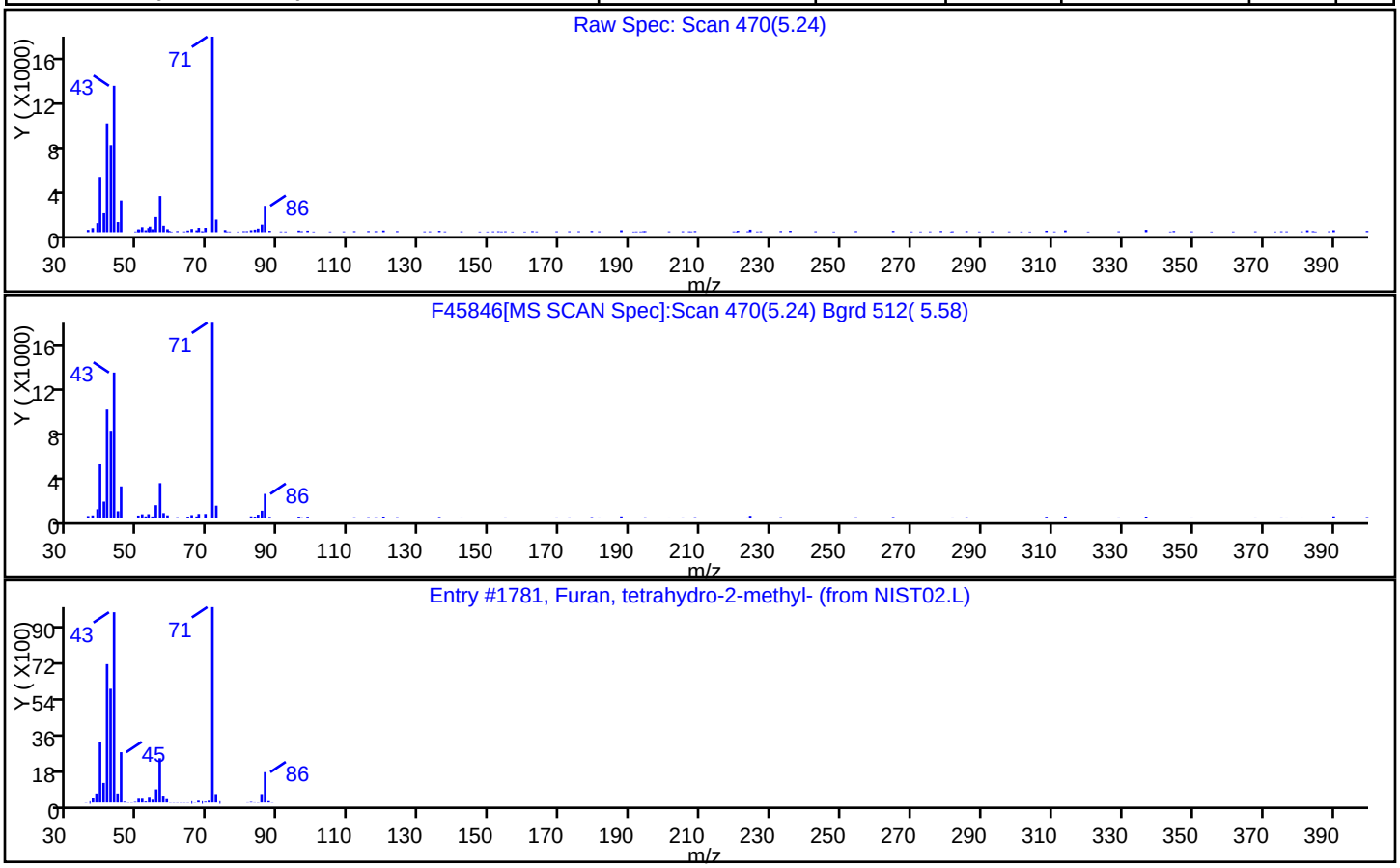
Operator ID: ALS Bottle#: 14 Worklist Smp#: 19

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Furan, tetrahydro-2-methyl-	96-47-9	NIST02.L	1781	C5H10O	86	91

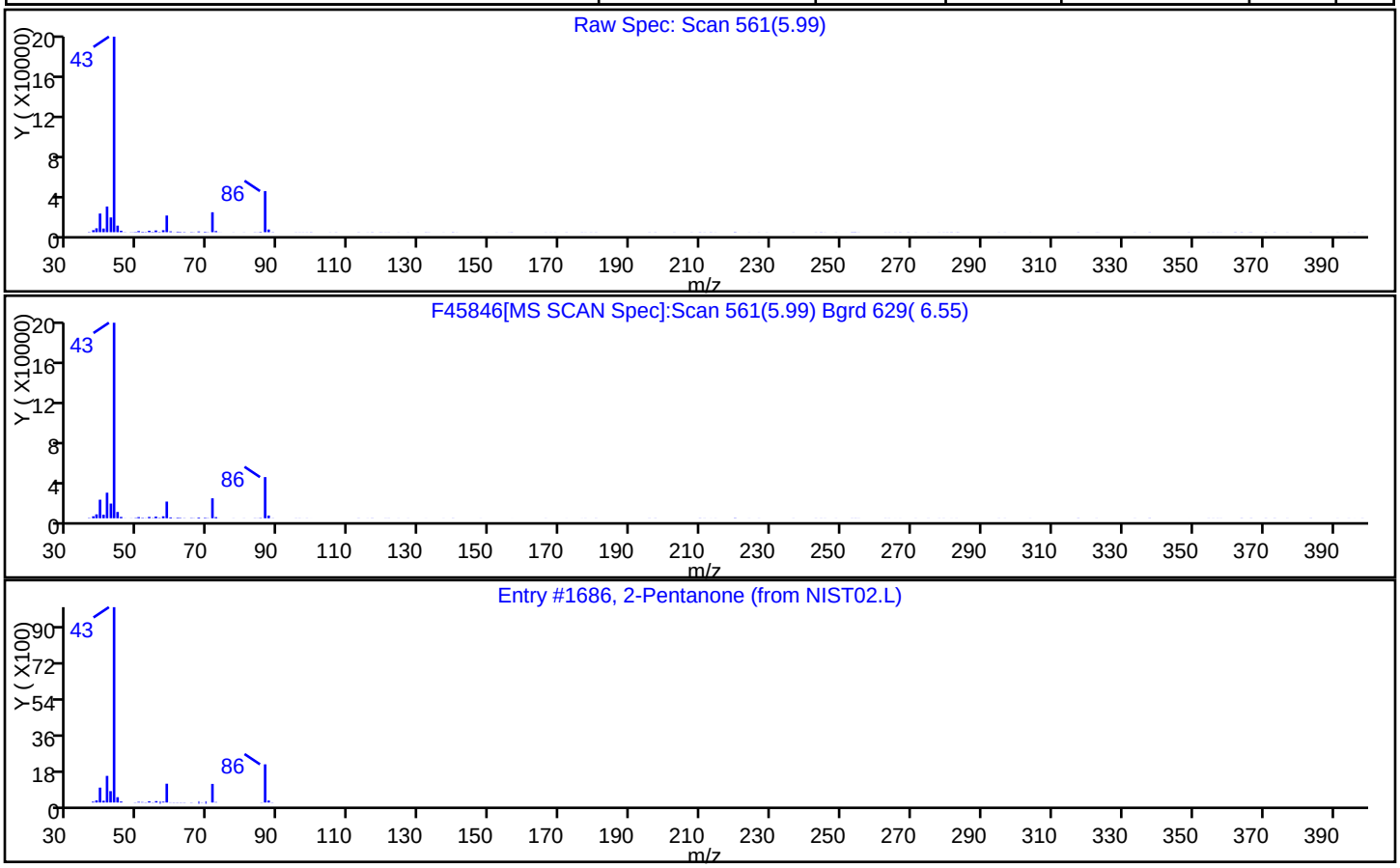


TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D

Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4		
Client ID:	15S-42017				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
2-Pentanone	107-87-9	NIST02.L	1686	C5H10O	86	87



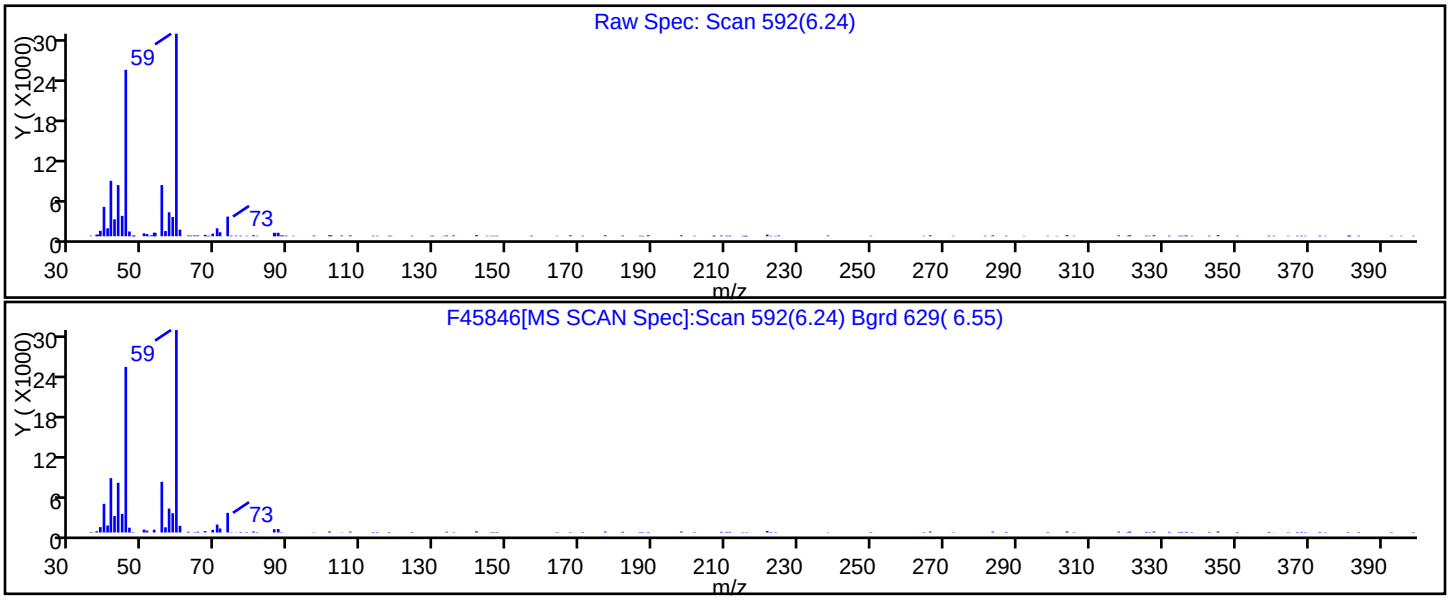
Report Date: 17-Apr-2017 16:11:27 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D

Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4		
Client ID:	15S-42017				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



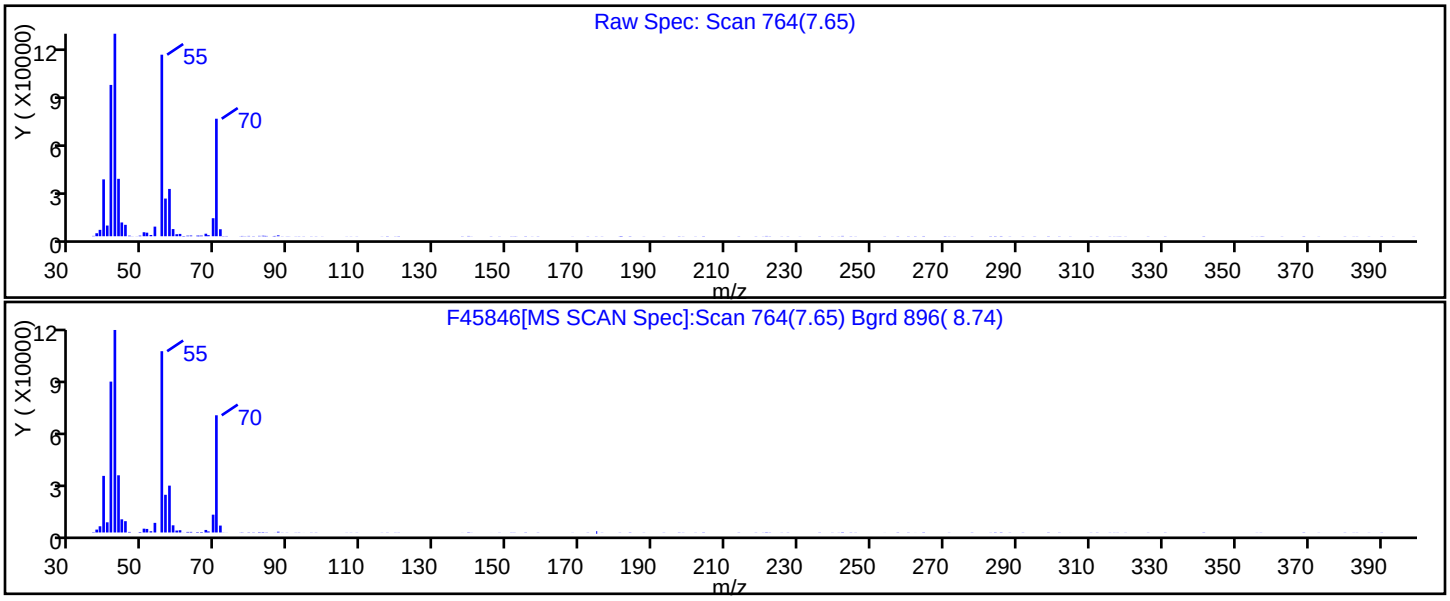
Report Date: 17-Apr-2017 16:11:27 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D

Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4		
Client ID:	15S-42017				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



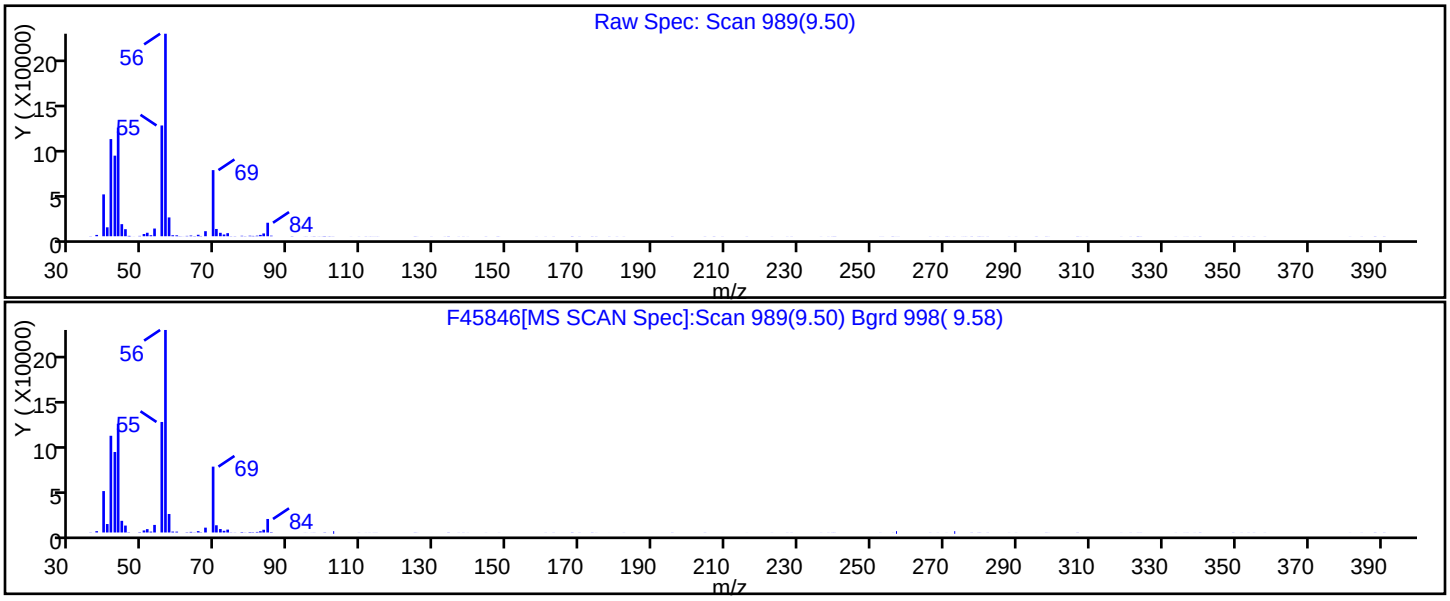
Report Date: 17-Apr-2017 16:11:27 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D

Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4		
Client ID:	15S-42017				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



Report Date: 17-Apr-2017 16:11:27 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D

Injection Date: 15-Apr-2017 07:27:30 Instrument ID: CVOAMS6

Lims ID: 460-131030-B-4 Lab Sample ID: 460-131030-4

Client ID: 15S-42017

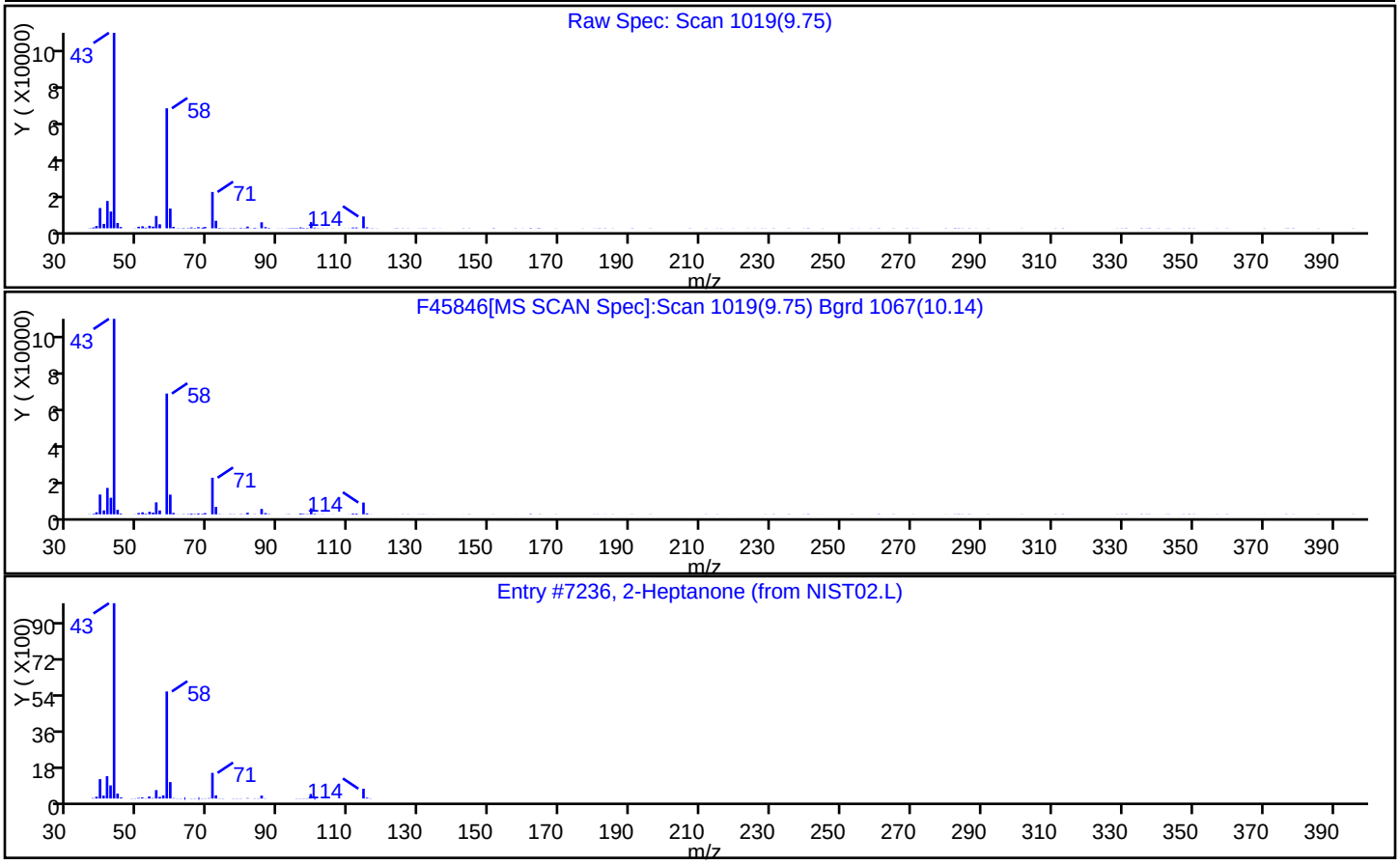
Operator ID: ALS Bottle#: 14 Worklist Smp#: 19

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
2-Heptanone	110-43-0	NIST02.L	7236	C7H14O	114	91



Report Date: 17-Apr-2017 16:11:27 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D

Injection Date: 15-Apr-2017 07:27:30 Instrument ID: CVOAMS6

Lims ID: 460-131030-B-4 Lab Sample ID: 460-131030-4

Client ID: 15S-42017

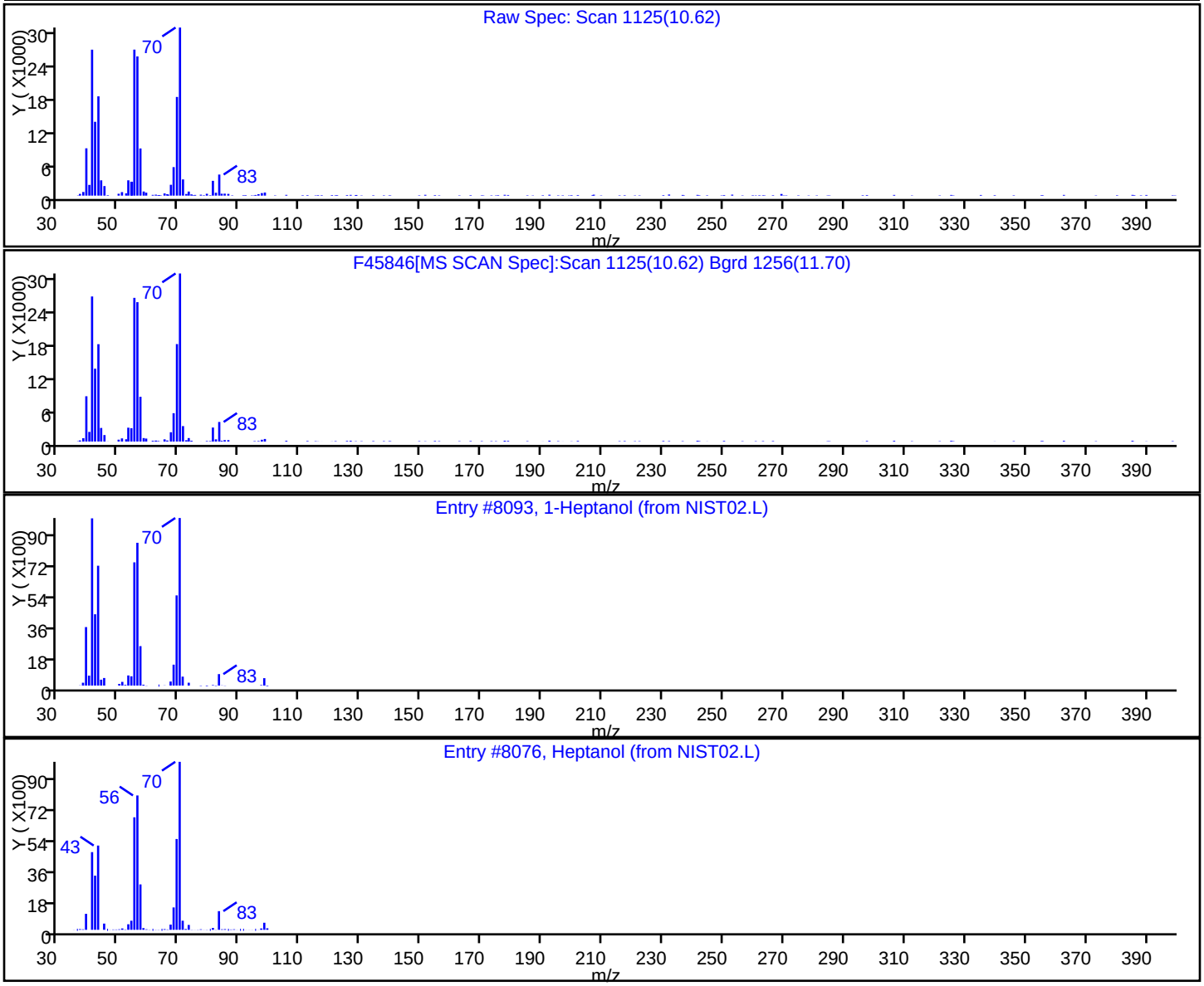
Operator ID: ALS Bottle#: 14 Worklist Smp#: 19

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

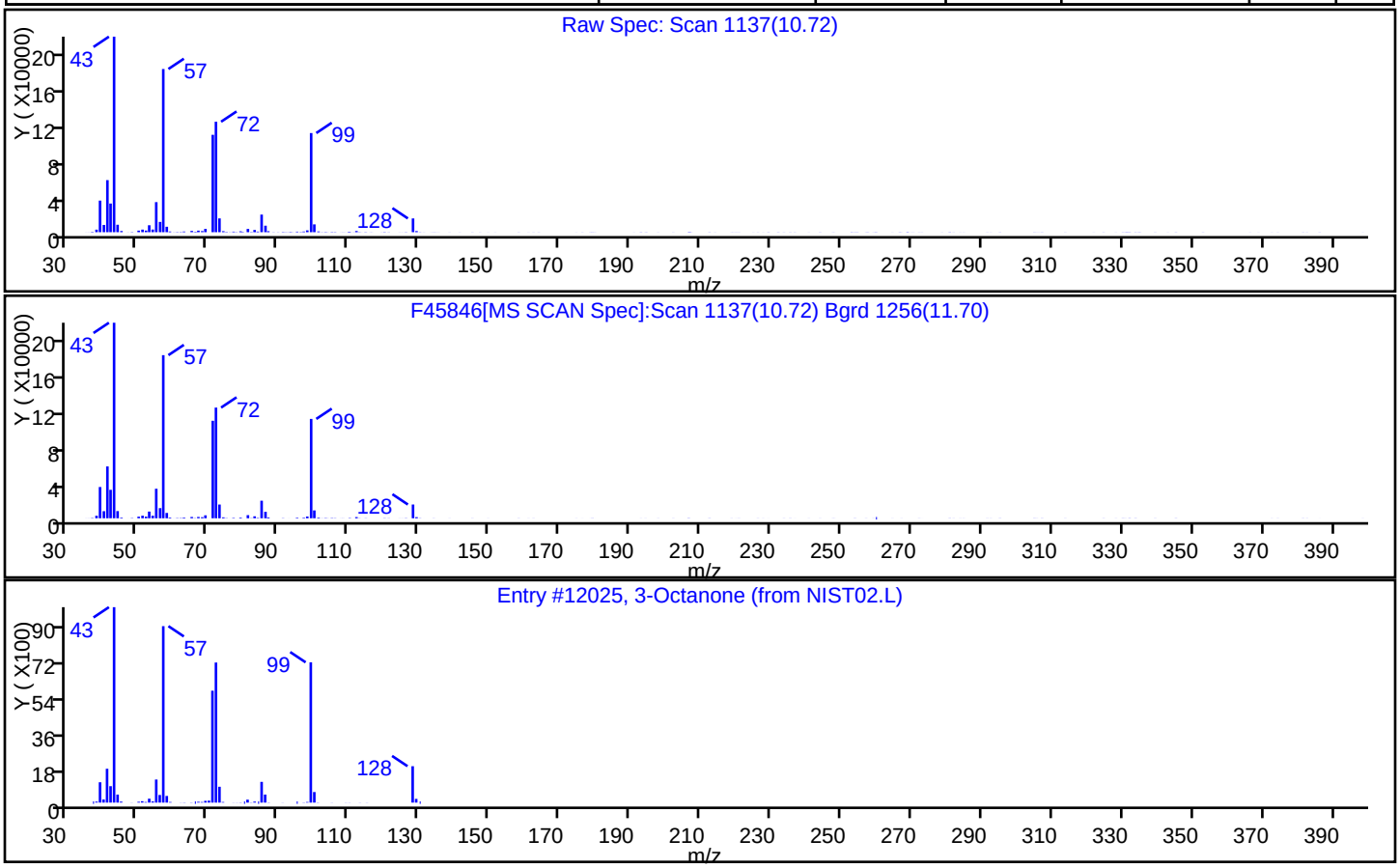
Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
1-Heptanol	111-70-6	NIST02.L	8093	C7H16O	116	90
Heptanol	53535-33-4	NIST02.L	8076	C7H16O	116	86



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D
Injection Date: 15-Apr-2017 07:27:30 Instrument ID: CVOAMS6
Lims ID: 460-131030-B-4 Lab Sample ID: 460-131030-4
Client ID: 15S-42017
Operator ID: ALS Bottle#: 14 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
3-Octanone	106-68-3	NIST02.L	12025	C8H16O	128	94



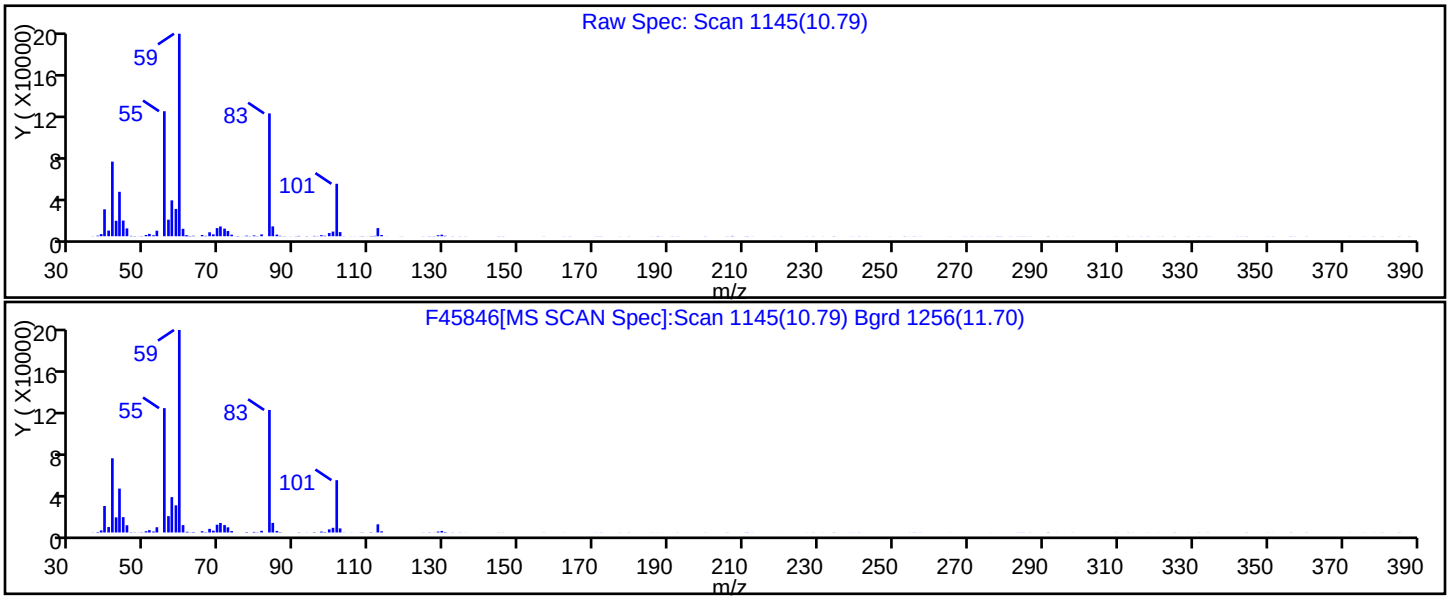
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TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D

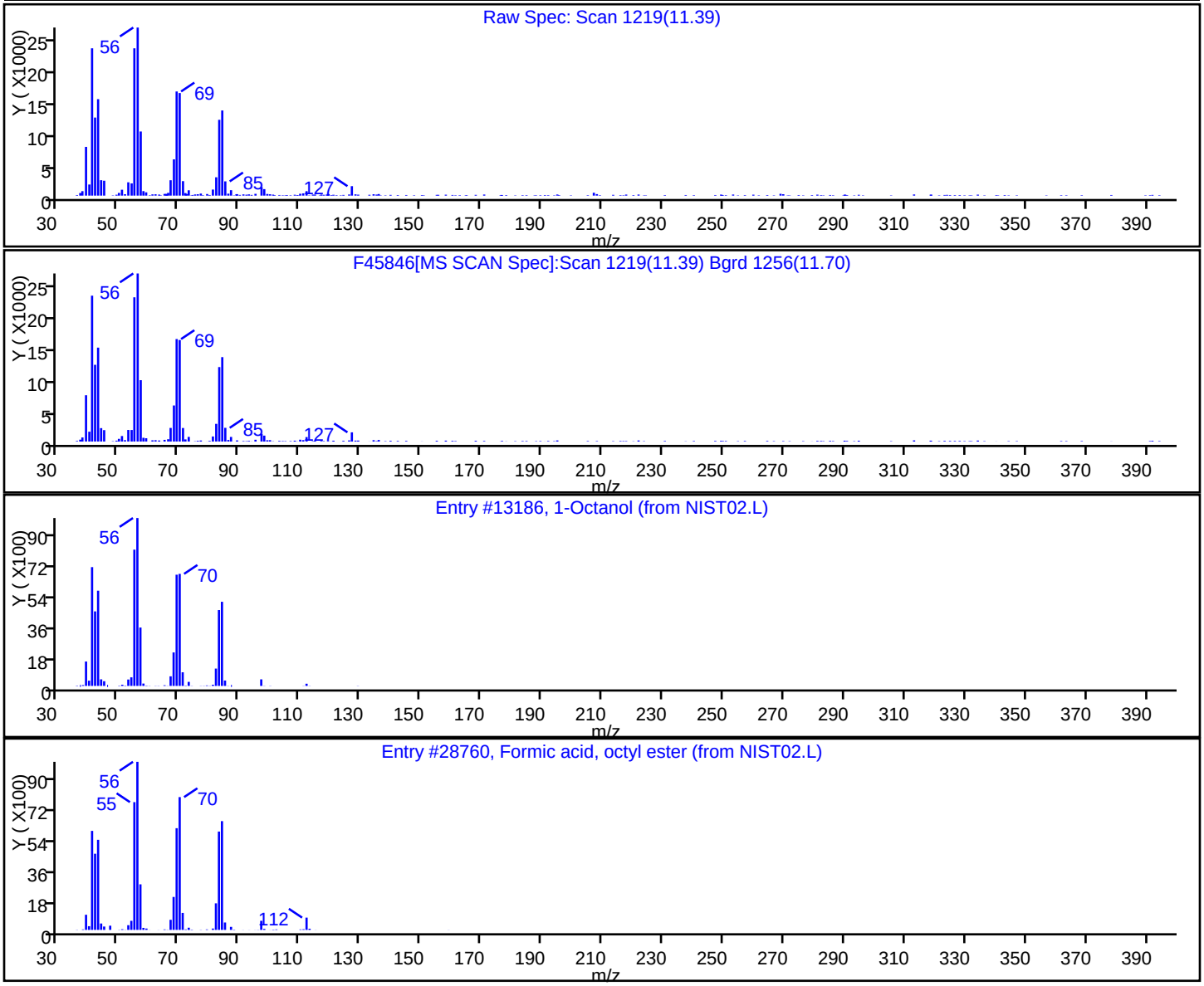
Injection Date:	15-Apr-2017 07:27:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-4	Lab Sample ID:	460-131030-4		
Client ID:	15S-42017				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45846.D
Injection Date: 15-Apr-2017 07:27:30 Instrument ID: CVOAMS6
Lims ID: 460-131030-B-4 Lab Sample ID: 460-131030-4
Client ID: 15S-42017
Operator ID: ALS Bottle#: 14 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
1-Octanol	111-87-5	NIST02.L	13186	C8H18O	130	90
Formic acid, octyl ester	112-32-3	NIST02.L	28760	C9H18O2	158	90



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 3S-42017 | Lab Sample ID: 460-131030-5

Matrix: Water | Lab File ID: F45966.D

Analysis Method: 8260C | Date Collected: 04/05/2017 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 04/18/2017 15:16

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.: 431214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	2.1		1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
78-93-3	2-Butanone (MEK)	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
124-48-1	Chlorodibromomethane	0.22	U	1.0	0.22
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
75-27-4	Dichlorobromomethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 3S-42017 | Lab Sample ID: 460-131030-5

Matrix: Water | Lab File ID: F45966.D

Analysis Method: 8260C | Date Collected: 04/05/2017 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 04/18/2017 15:16

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.: 431214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
79-20-9	Methyl acetate	0.58	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	0.28	U	1.0	0.28
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.24	J	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	1.4		1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
460-00-4	4-Bromofluorobenzene	99		77-124
1868-53-7	Dibromofluoromethane (Surr)	99		72-131
2037-26-5	Toluene-d8 (Surr)	96		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: 3S-42017 Lab Sample ID: 460-131030-5

Matrix: Water Lab File ID: F45966.D

Analysis Method: 8260C Date Collected: 04/05/2017 12:40

Sample wt/vol: 5(mL) Date Analyzed: 04/18/2017 15:16

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.: 431214 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45966.D
Lims ID: 460-131030-C-5
Client ID: 3S-42017
Sample Type: Client
Inject. Date: 18-Apr-2017 15:16:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-C-5
Misc. Info.: 460-0053910-009
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 19:30:12 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: moroneyc Date: 19-Apr-2017 11:30:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	3.234	3.234	0.000	96	148362	1000.0	
34 1,1-Dichloroethane	63	3.817	3.826	-0.009	98	12481	2.08	
* 38 2-Butanone-d5	46	4.294	4.302	-0.008	74	96628	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.771	4.770	0.001	95	134936	49.6	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	98	154016	47.6	
* 61 Fluorobenzene	96	5.395	5.395	0.000	99	411715	50.0	
63 Trichloroethene	95	5.757	5.748	0.009	92	5294	1.44	
* 67 1,4-Dioxane-d8	96	6.102	6.102	0.000	96	15740	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	100	490177	47.9	
83 Tetrachloroethene	166	7.753	7.753	0.000	12	1099	0.2450	M
* 89 Chlorobenzene-d5	117	8.863	8.862	0.001	85	372401	50.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	222961	49.4	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.974	-0.008	94	260572	50.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

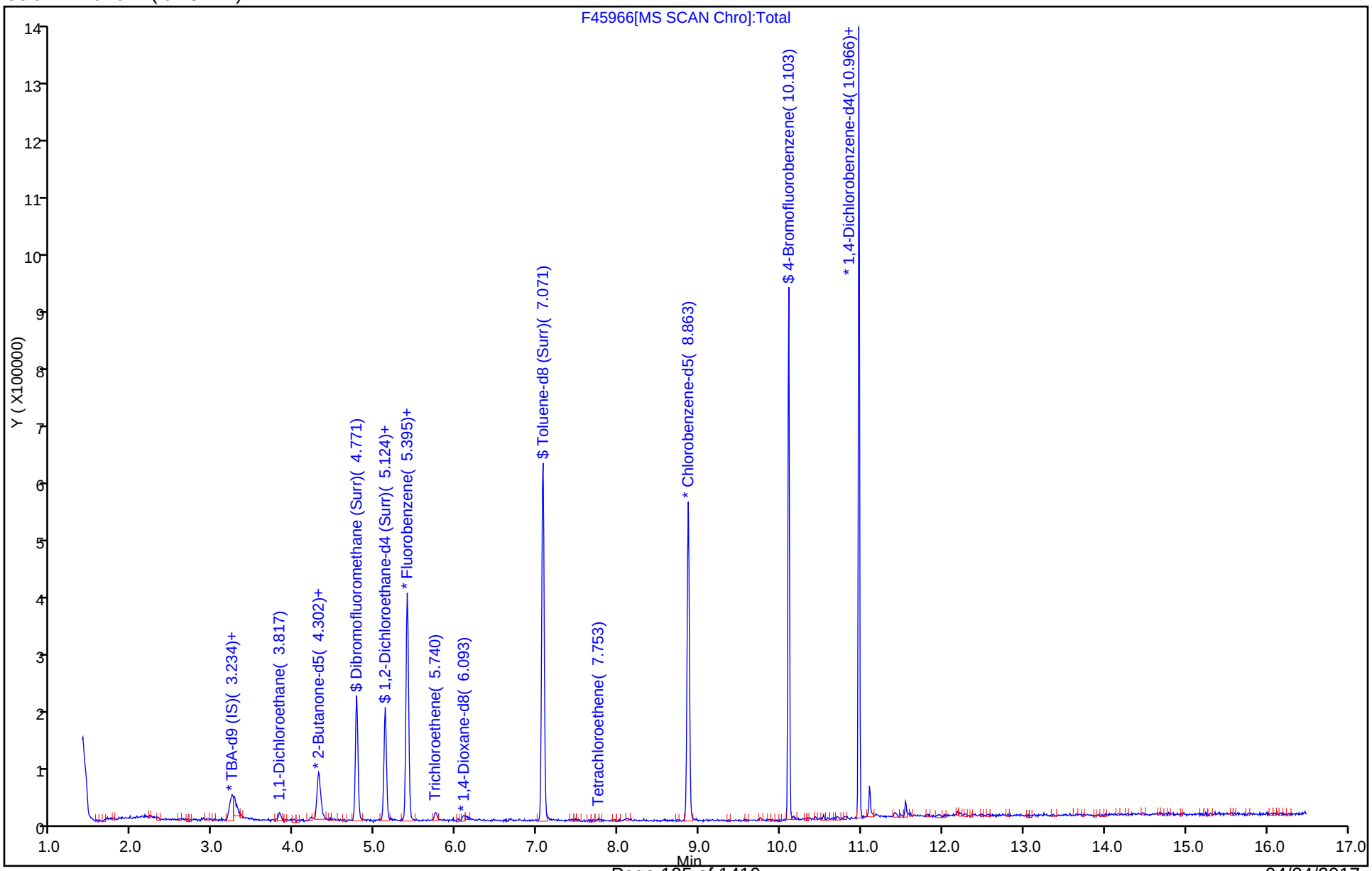
Report Date: 22-Apr-2017 19:31:25 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45966.D

Injection Date:	18-Apr-2017 15:16:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-131030-C-5	Lab Sample ID:	460-131030-5	Worklist Smp#:	9
Client ID:	3S-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

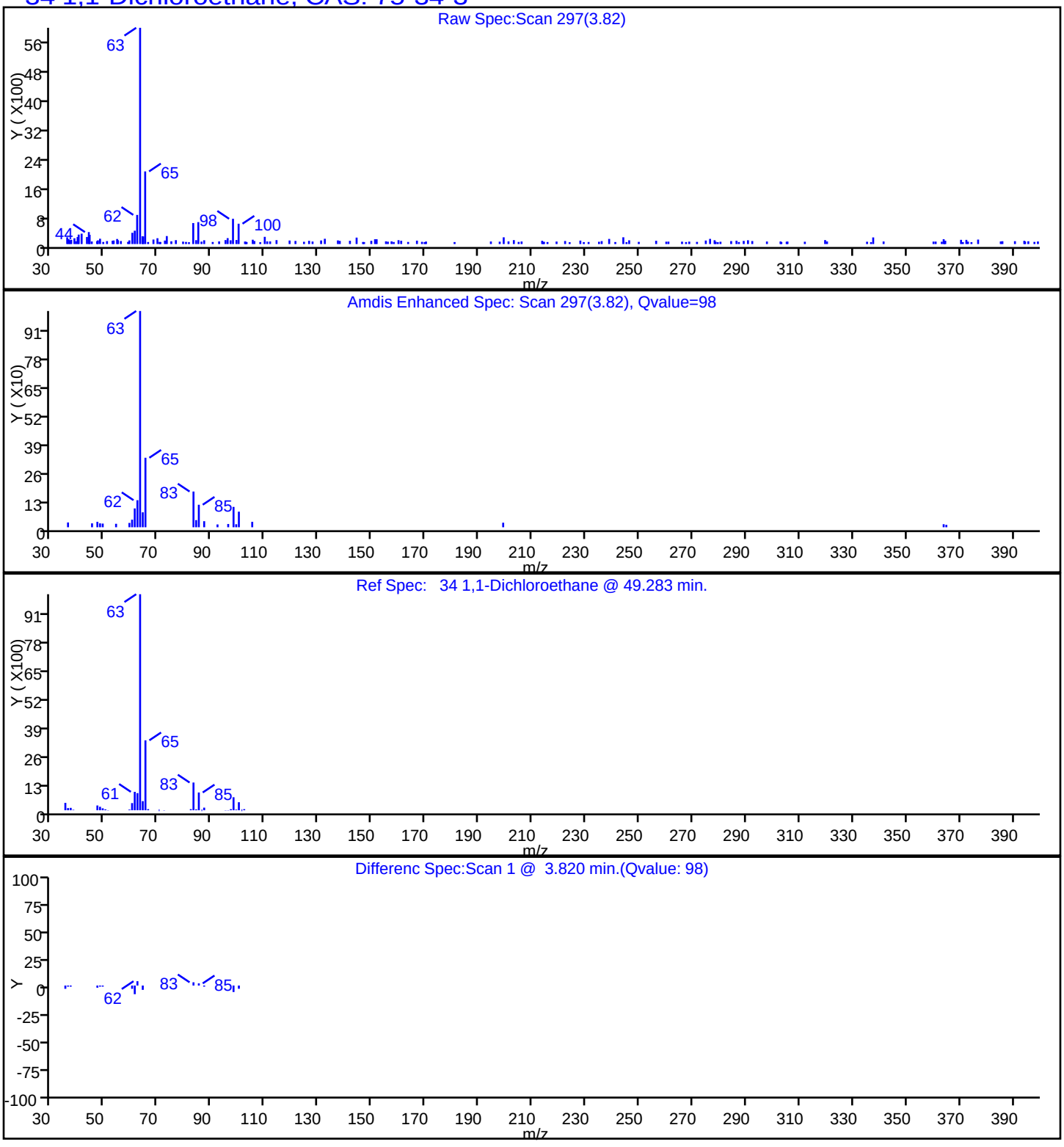
Column: Rtx-624 (0.25 mm)



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45966.D		
Injection Date:	18-Apr-2017 15:16:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-C-5	Lab Sample ID:	460-131030-5
Client ID:	3S-42017		
Operator ID:		ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

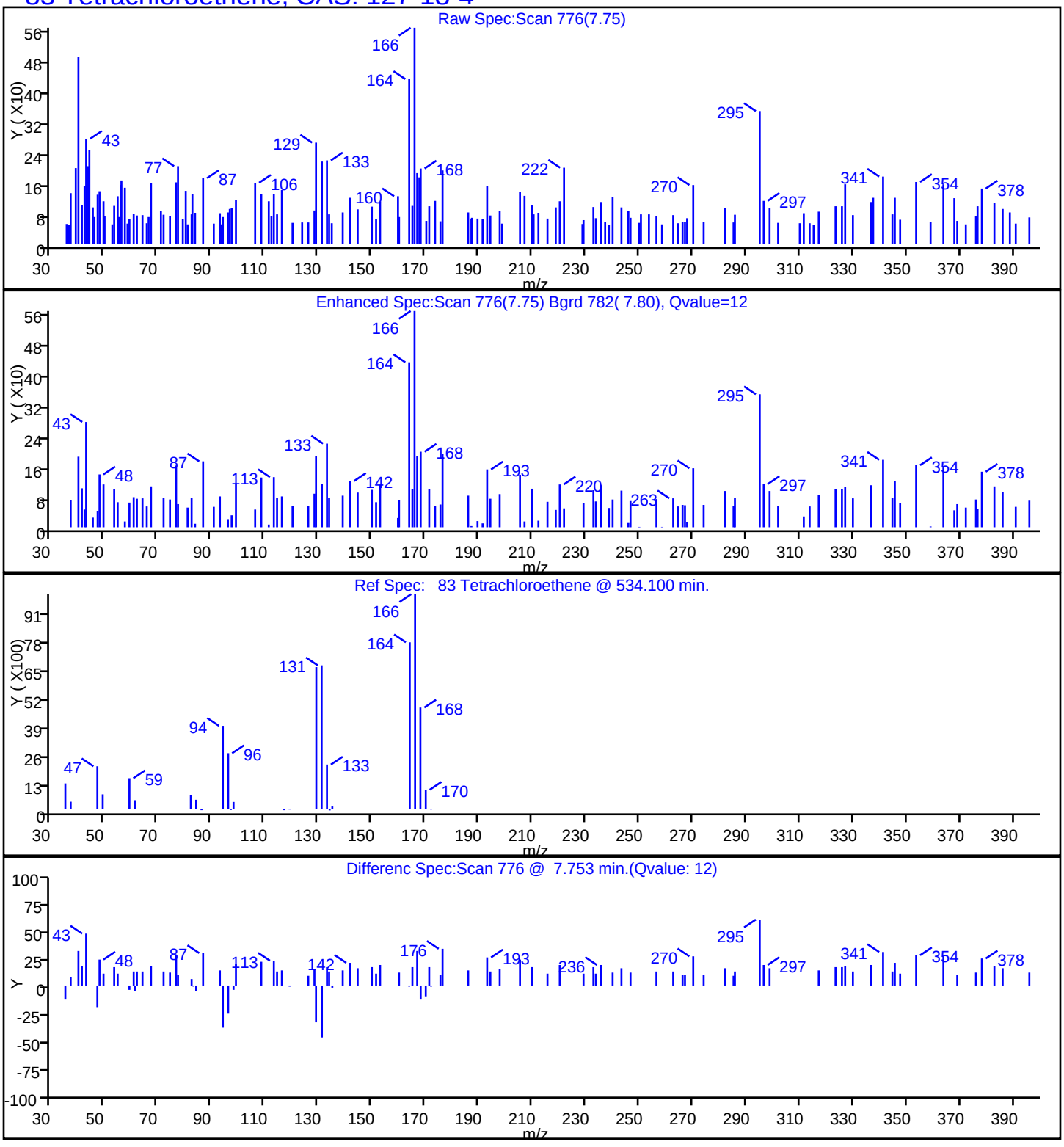
34 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45966.D		
Injection Date:	18-Apr-2017 15:16:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-C-5	Lab Sample ID:	460-131030-5
Client ID:	3S-42017		
Operator ID:		ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

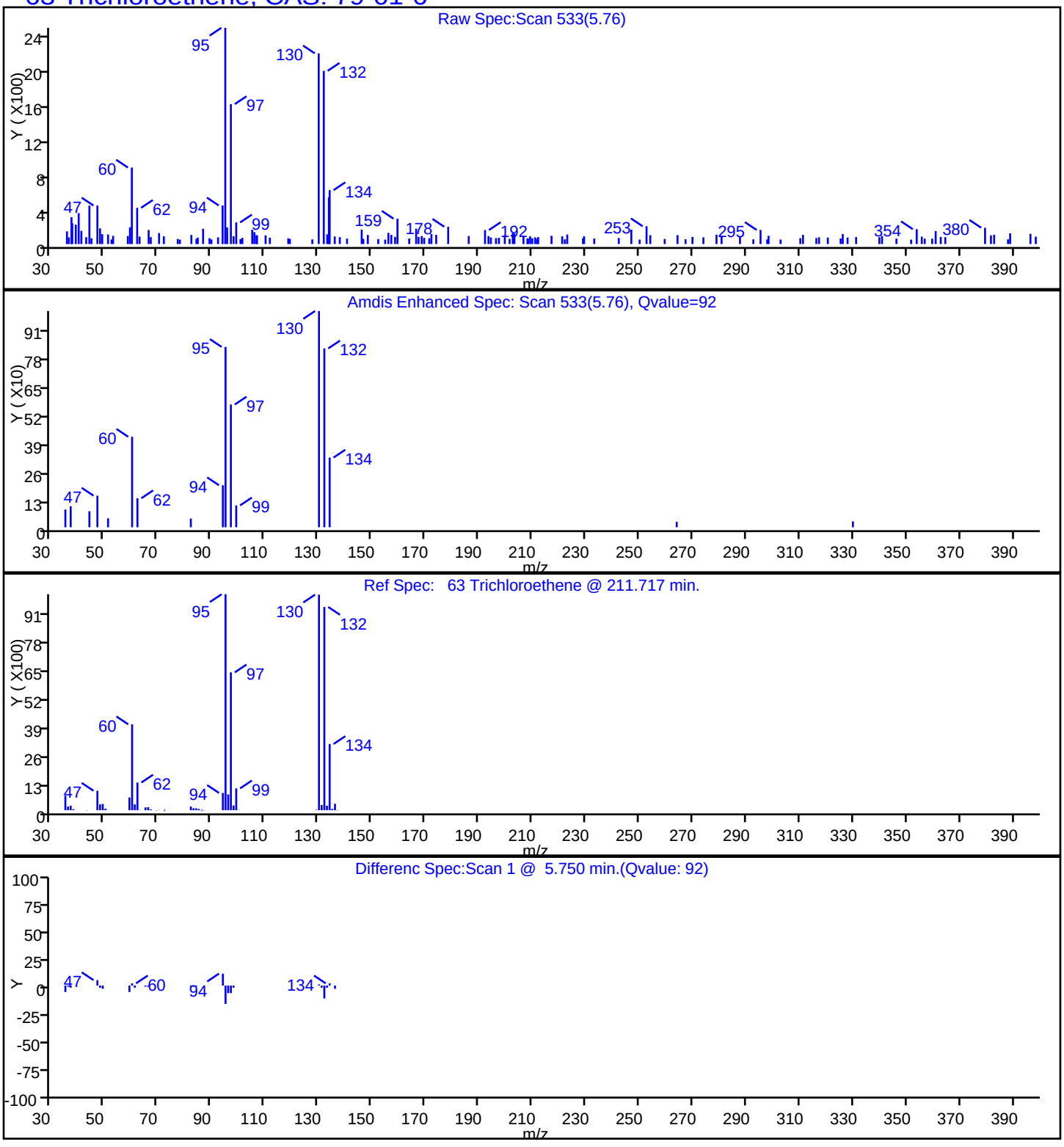
83 Tetrachloroethene, CAS: 127-18-4



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45966.D		
Injection Date:	18-Apr-2017 15:16:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-C-5	Lab Sample ID:	460-131030-5
Client ID:	3S-42017		
Operator ID:		ALS Bottle#:	8 Worklist Smp#: 9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

TestAmerica Edison

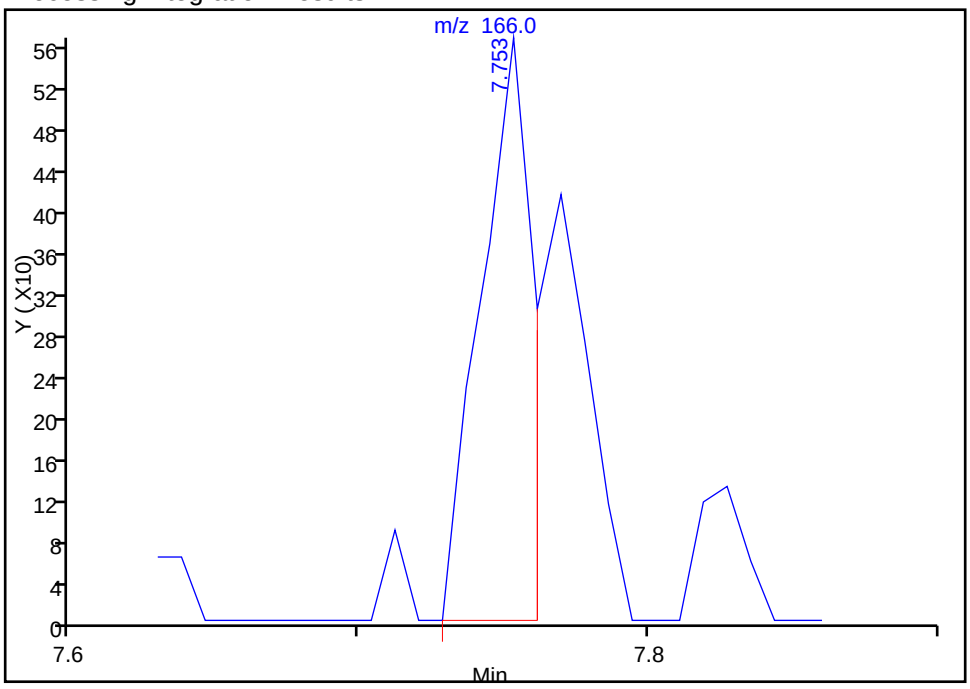
Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45966.D				
Injection Date:	18-Apr-2017 15:16:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-C-5	Lab Sample ID:	460-131030-5		
Client ID:	3S-42017				
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

83 Tetrachloroethene, CAS: 127-18-4

Signal: 1

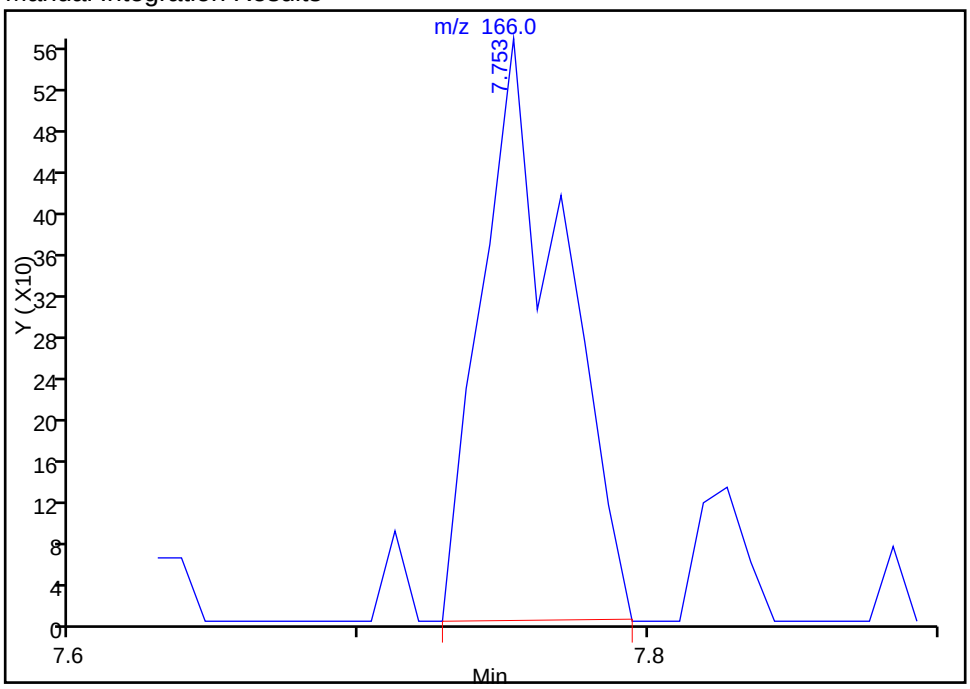
Processing Integration Results

RT: 7.75
Area: 714
Amount: 0.159152
Amount Units: ug/l



Manual Integration Results

RT: 7.75
Area: 1099
Amount: 0.244970
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 19:09:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: TB-42017 | Lab Sample ID: 460-131030-6

Matrix: Water | Lab File ID: F45837.D

Analysis Method: 8260C | Date Collected: 04/04/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 04:00

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone (MEK)	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
124-48-1	Chlorodibromomethane	0.22	U	1.0	0.22
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
75-27-4	Dichlorobromomethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: TB-42017 | Lab Sample ID: 460-131030-6

Matrix: Water | Lab File ID: F45837.D

Analysis Method: 8260C | Date Collected: 04/04/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 04:00

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
79-20-9	Methyl acetate	0.58	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	0.28	U	1.0	0.28
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
460-00-4	4-Bromofluorobenzene	99		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	93		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: TB-42017 Lab Sample ID: 460-131030-6

Matrix: Water Lab File ID: F45837.D

Analysis Method: 8260C Date Collected: 04/04/2017 00:00

Sample wt/vol: 5(mL) Date Analyzed: 04/15/2017 04:00

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.: 430489 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45837.D
Lims ID: 460-131030-A-6
Client ID: TB-42017
Sample Type: Client
Inject. Date: 15-Apr-2017 04:00:30 ALS Bottle#: 5 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-A-6
Misc. Info.: 460-0053757-010
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 15-Apr-2017 12:08:10 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: martineze Date: 15-Apr-2017 12:08:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	46	3.242	3.234	0.008	95	42973	1000.0	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	79	90328	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.771	4.770	0.001	98	110423	51.2	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	98	133136	47.7	
* 61 Fluorobenzene	96	5.395	5.395	0.000	99	359266	50.0	
* 67 1,4-Dioxane-d8	96	6.085	6.110	-0.025	91	13311	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	100	404921	46.5	
* 89 Chlorobenzene-d5	117	8.863	8.863	0.001	86	319758	50.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	95	184101	49.5	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	93	226686	50.0	

Reagents:

8260ISNEW_00102 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00154 Amount Added: 1.00 Units: uL Run Reagent

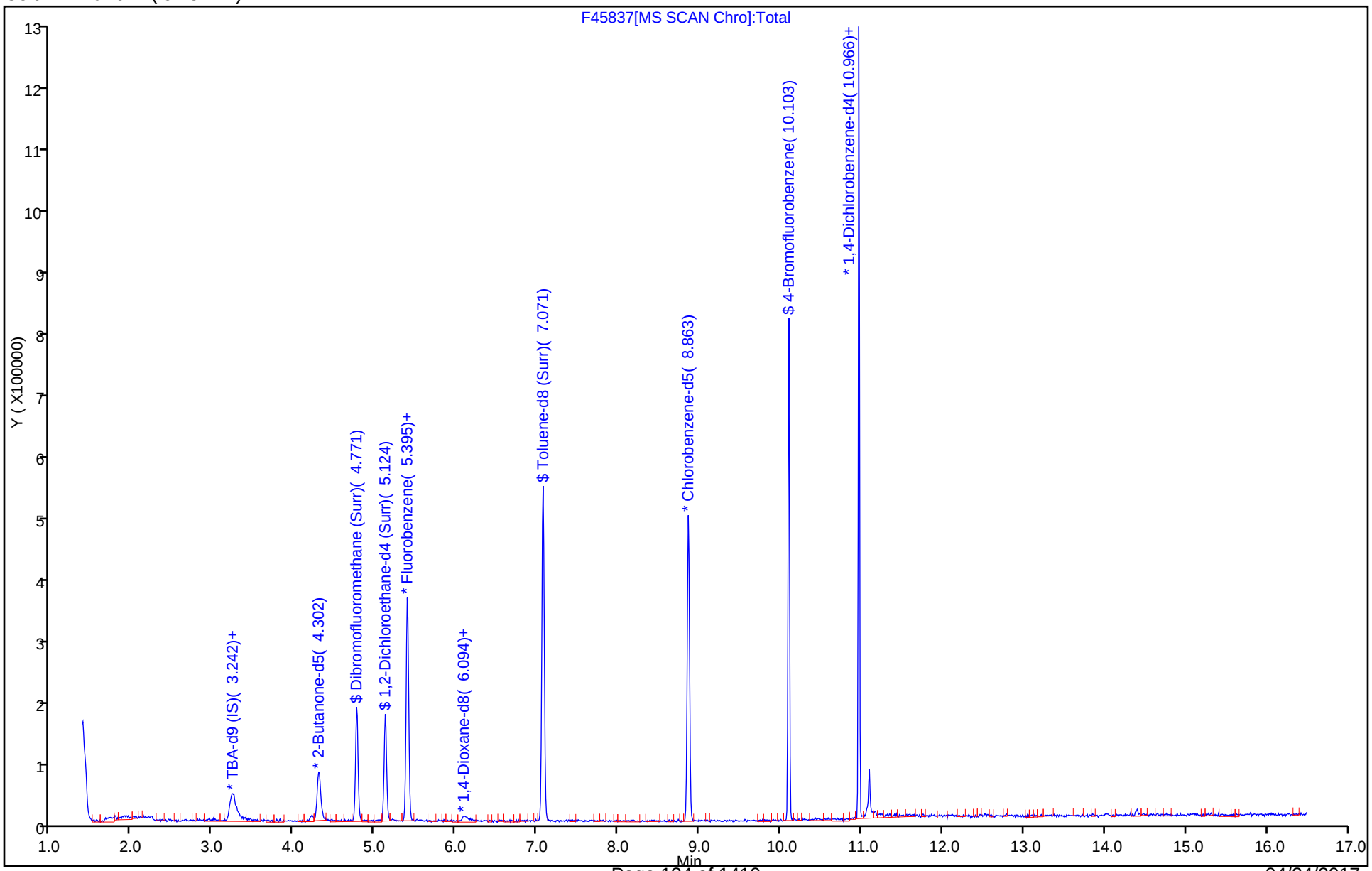
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TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45837.D

Injection Date:	15-Apr-2017 04:00:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-131030-A-6	Lab Sample ID:	460-131030-6	Worklist Smp#:	10
Client ID:	TB-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: FDup-42017 | Lab Sample ID: 460-131030-7

Matrix: Water | Lab File ID: F45848.D

Analysis Method: 8260C | Date Collected: 04/05/2017 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 08:13

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.2		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	9.2		1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone (MEK)	110		5.0	2.2
591-78-6	2-Hexanone	26		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	64		5.0	1.1
71-43-2	Benzene	0.18	J	1.0	0.090
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
124-48-1	Chlorodibromomethane	0.22	U	1.0	0.22
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	1.8		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
75-27-4	Dichlorobromomethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: FDup-42017 | Lab Sample ID: 460-131030-7

Matrix: Water | Lab File ID: F45848.D

Analysis Method: 8260C | Date Collected: 04/05/2017 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 08:13

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
79-20-9	Methyl acetate	8.6		5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	0.29	J	1.0	0.28
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.20	J	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	13		1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
460-00-4	4-Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	104		72-131
2037-26-5	Toluene-d8 (Surr)	91		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: FDup-42017 | Lab Sample ID: 460-131030-7

Matrix: Water | Lab File ID: F45848.D

Analysis Method: 8260C | Date Collected: 04/05/2017 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 08:13

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.: 430489 | Units: ug/L

Number TICs Found: 10 | TIC Result Total: 349

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	5.25	13	J	
107-87-9	2-Pentanone	5.99	50	J N	87%
	Unknown	6.24	19	J	
71-41-0	1-Pentanol	7.66	61	J N	90%
	Unknown	8.12	14	J	
	Unknown	9.50	68	J	
110-43-0	2-Heptanone	9.75	20	J N	91%
106-68-3	3-Octanone	10.72	48	J N	95%
	Unknown	10.79	39	J	
111-87-5	1-Octanol	11.39	17	J N	90%

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D
Lims ID: 460-131030-B-7
Client ID: FDup-42017
Sample Type: Client
Inject. Date: 15-Apr-2017 08:13:30 ALS Bottle#: 16 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-B-7
Misc. Info.: 460-0053757-021
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Apr-2017 16:17:18 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: martineze Date: 15-Apr-2017 12:20:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
18 Acetone	43	2.897	2.889	0.008	88	36726	64.0	
24 Methyl acetate	43	3.127	3.119	0.008	98	13041	8.57	
* 26 TBA-d9 (IS)	46	3.275	3.234	0.041	95	42306	1000.0	
34 1,1-Dichloroethane	63	3.826	3.817	0.009	99	47022	9.16	
* 38 2-Butanone-d5	46	4.310	4.302	0.008	81	96810	250.0	
40 cis-1,2-Dichloroethene	96	4.343	4.335	0.008	95	5903	1.85	
41 2-Butanone (MEK)	72	4.360	4.351	0.009	99	23577	112.0	
50 1,1,1-Trichloroethane	97	4.779	4.762	0.017	37	5887	1.20	
$ 51 Dibromofluoromethane (Surr	113	4.779	4.770	0.009	96	117183	51.8	
55 Benzene	78	5.124	5.107	0.017	1	2014	0.1838	M
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.132	5.124	0.008	97	138587	47.3	
* 61 Fluorobenzene	96	5.403	5.395	0.008	99	377133	50.0	
63 Trichloroethene	95	5.748	5.748	0.000	93	37283	13.4	
* 67 1,4-Dioxane-d8	96	6.093	6.110	-0.017	37	13397	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	414710	45.6	
83 Tetrachloroethene	166	7.753	7.753	0.000	35	633	0.1960	
85 2-Hexanone	43	7.992	7.992	0.000	94	37049	25.9	
* 89 Chlorobenzene-d5	117	8.863	8.863	0.001	85	334006	50.0	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	8	1726	0.2912	M
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	190157	48.9	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	94	228737	50.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

TestAmerica Edison
Tentatively Identified Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D				
Lims ID:	460-131030-B-7				
Client ID:	FDup-42017				
Sample Type:	Client				
Inject. Date:	15-Apr-2017 08:13:30	ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-131030-B-7				
Misc. Info.:	460-0053757-021				
Operator ID:		Instrument ID:	CVOAMS6		
Method:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	17-Apr-2017 16:17:18	Calib Date:	21-Mar-2017 11:24:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\ChromNA\Edison\Database\NIST02.L				
Min. Match:	85				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK028				
First Level Reviewer: martineze		Date:	15-Apr-2017 12:20:27		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
		Unknown						
5.247	210048	12.9	61					
	107-87-9	2-Pentanone						
5.987	821473	50.3	61	87	1686	C5H10O	86	
		Unknown						
6.241	309533	18.9	61					
	71-41-0	1-Pentanol						
7.663	1156189	60.5	89	90	2062	C5H12O	88	
		Unknown						
8.115	262234	13.7	89					
		Unknown						
9.504	1308554	68.5	89					
	110-43-0	2-Heptanone						
9.750	388636	20.3	89	91	7236	C7H14O	114	
	106-68-3	3-Octanone						
10.720	1262482	47.8	116	95	12025	C8H16O	128	
		Unknown						
10.785	1026861	38.9	116					
	111-87-5	1-Octanol						
11.393	451275	17.1	116	90	13186	C8H18O	130	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 61 Fluorobenzene	5.403	816918	50.0
* 89 Chlorobenzene-d5	8.863	955441	50.0
* 116 1,4-Dichlorobenzene-d4	10.966	1319485	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

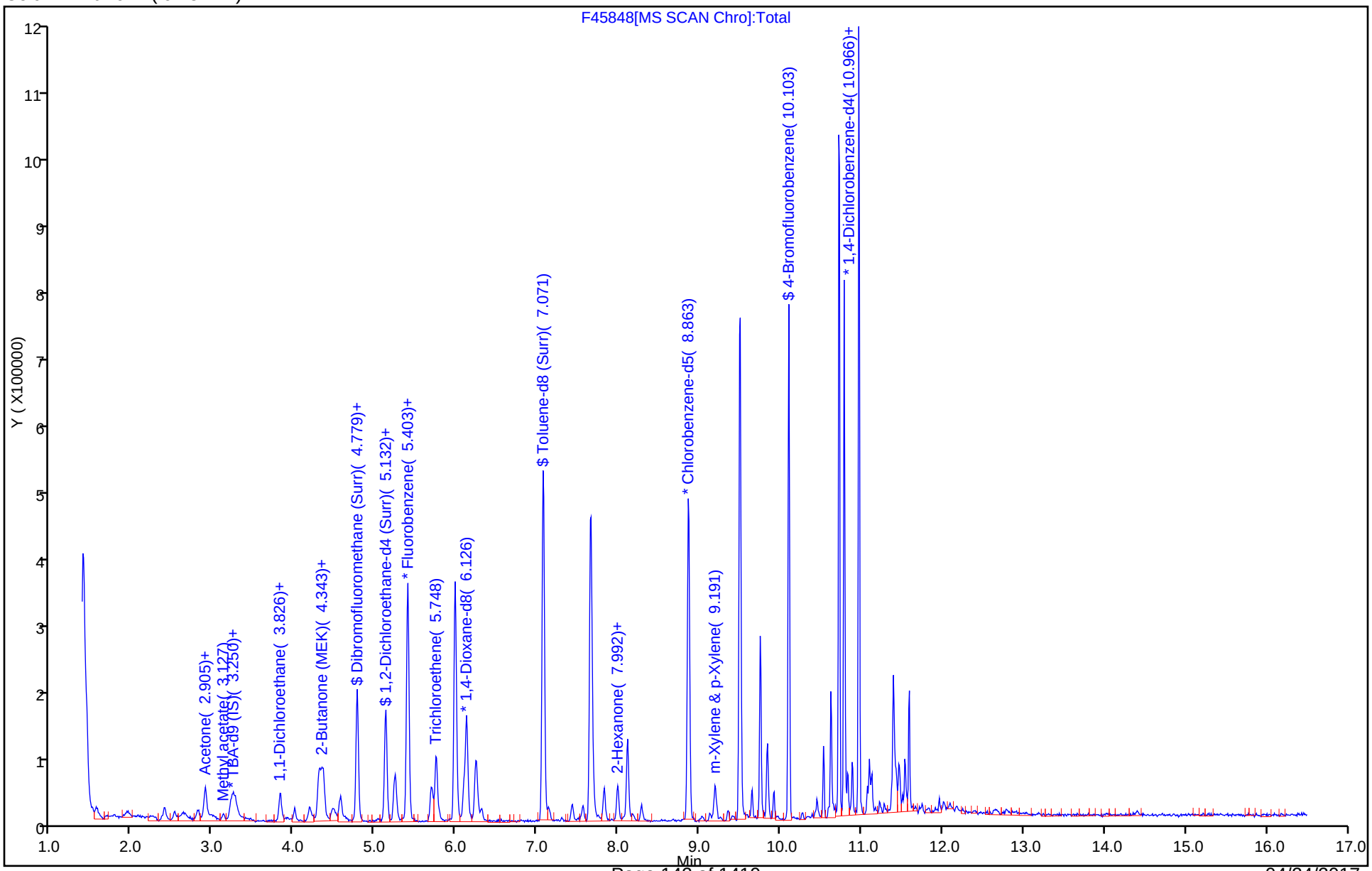
Report Date: 17-Apr-2017 16:17:21 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7	Worklist Smp#:	21
Client ID:	FDup-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



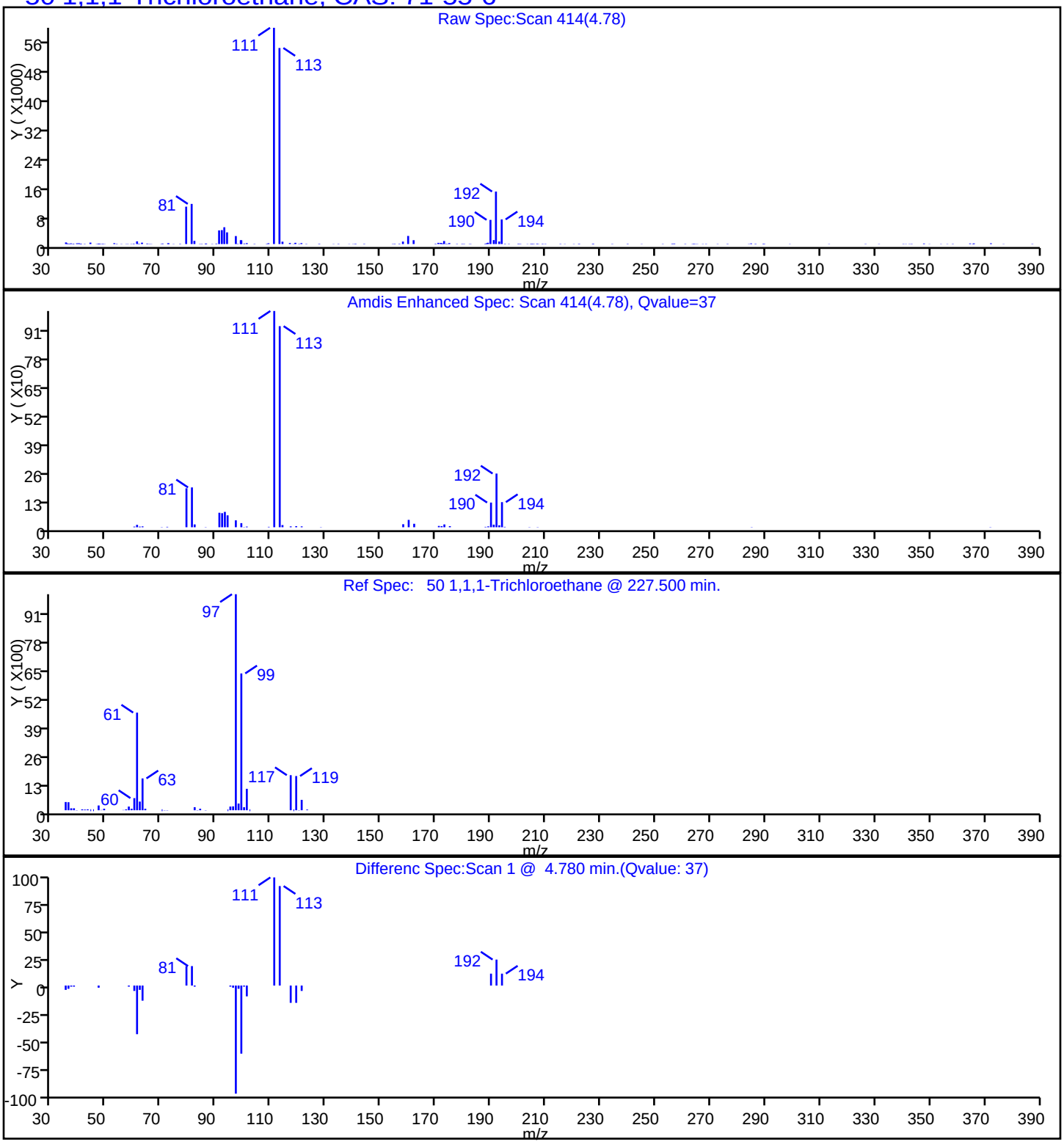
Report Date: 17-Apr-2017 16:17:21 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7		
Client ID:	FDup-42017				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

50 1,1,1-Trichloroethane, CAS: 71-55-6



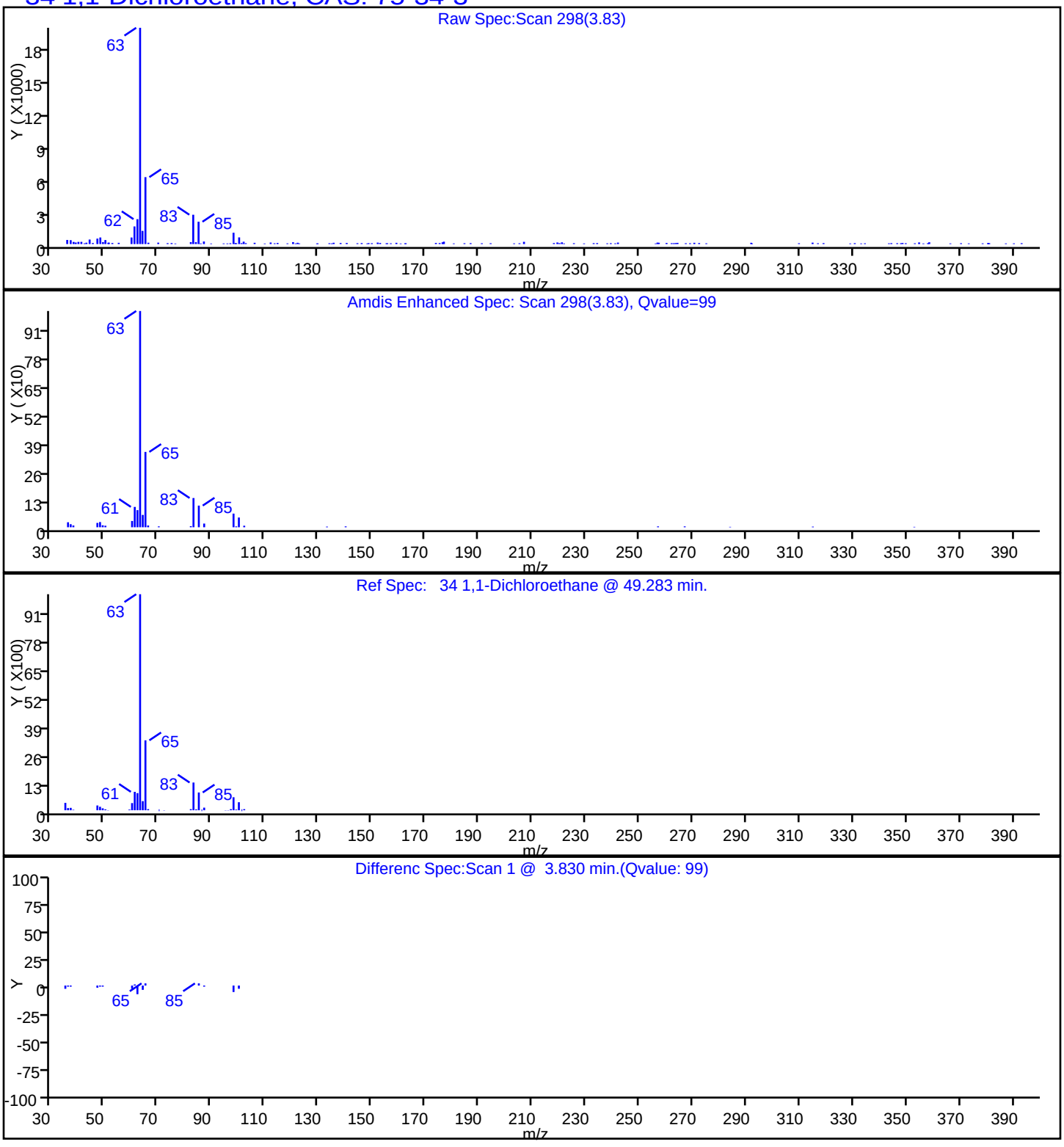
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TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7		
Client ID:	FDup-42017				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

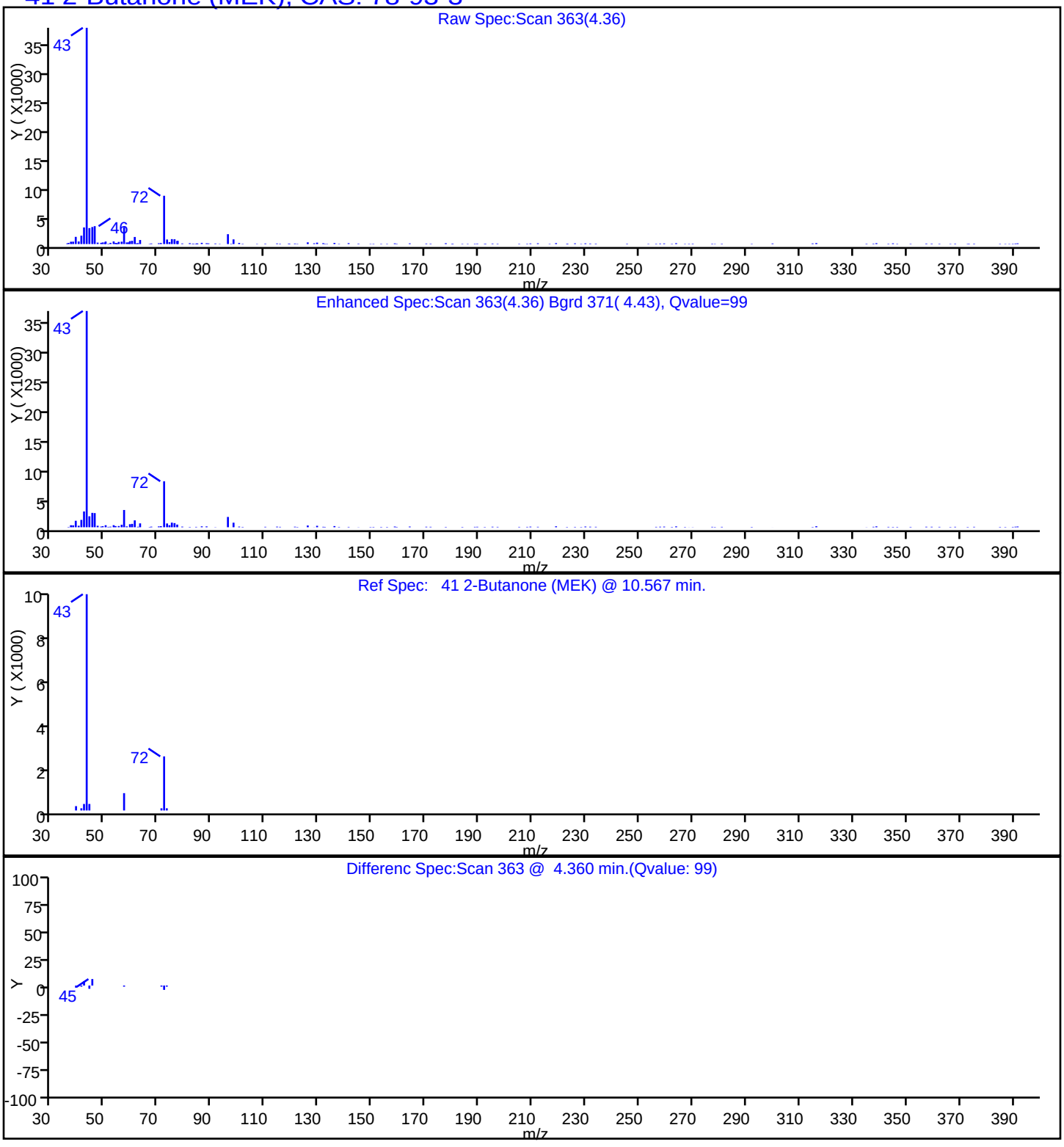
34 1,1-Dichloroethane, CAS: 75-34-3



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D		
Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7
Client ID:	FDup-42017		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

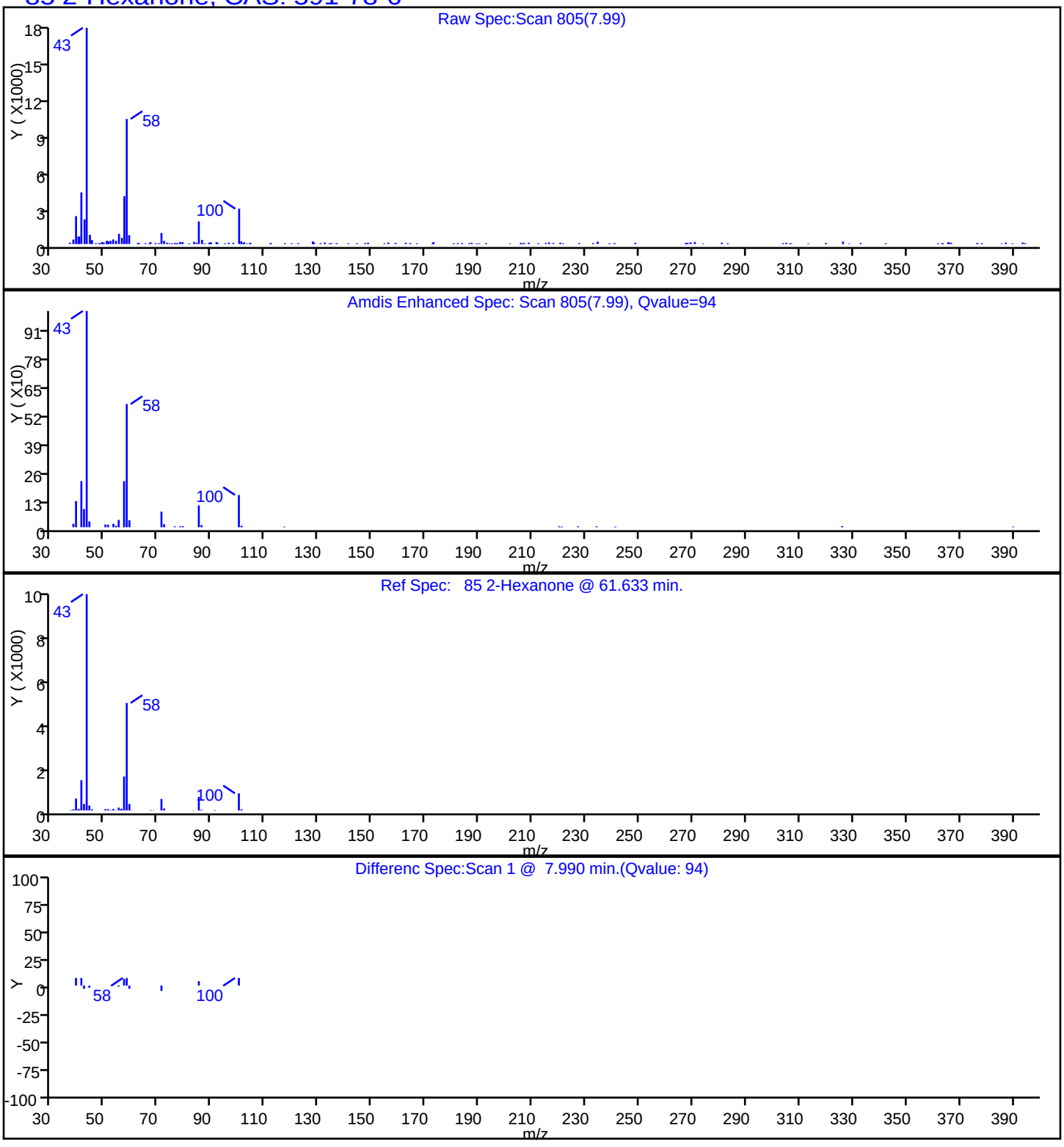
41 2-Butanone (MEK), CAS: 78-93-3



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D		
Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7
Client ID:	FDup-42017		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

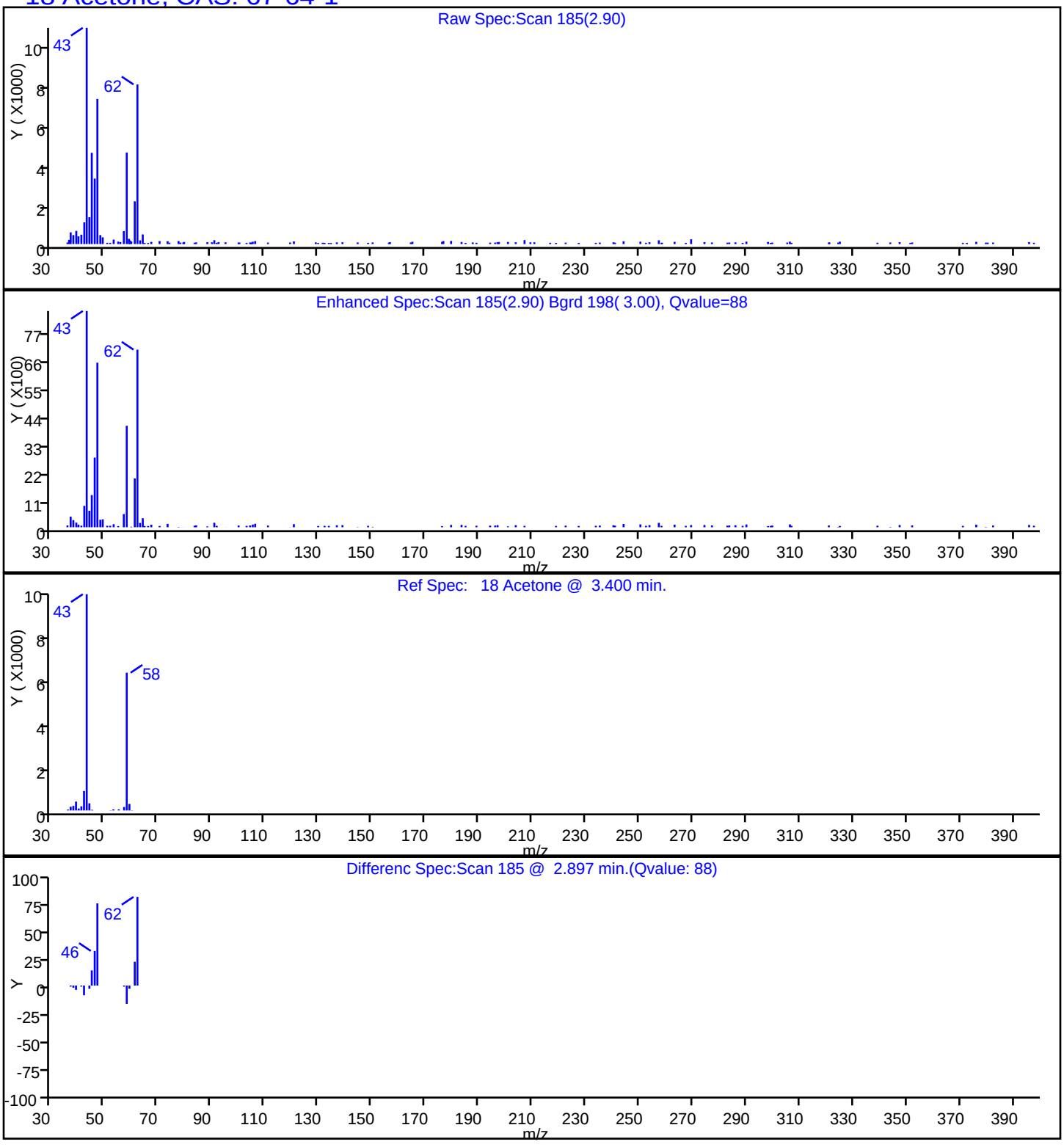
85 2-Hexanone, CAS: 591-78-6



TestAmerica Edison

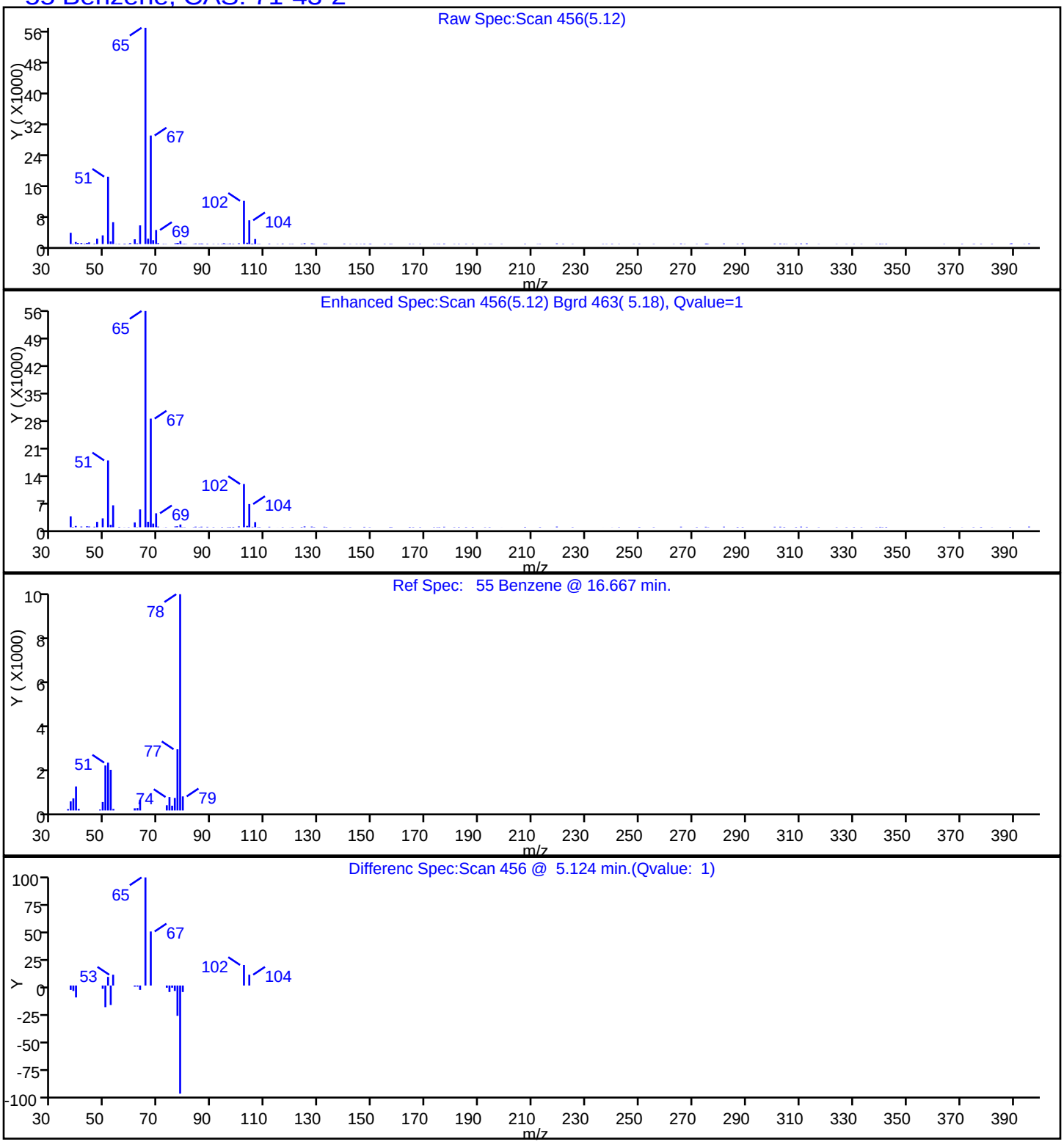
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Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7
Client ID:	FDup-42017		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

18 Acetone, CAS: 67-64-1



Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D				
Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7		
Client ID:	FDup-42017				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

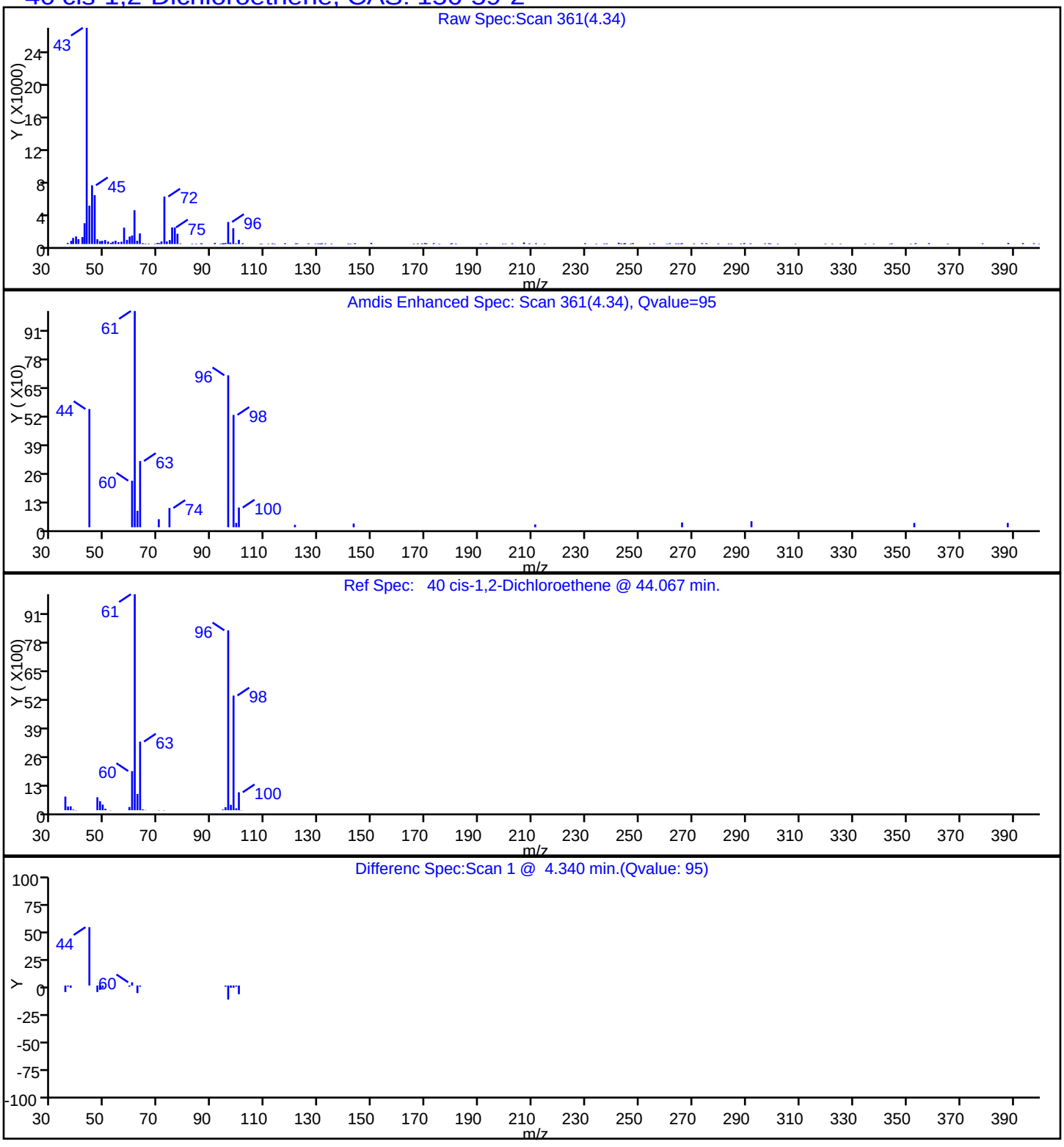
55 Benzene, CAS: 71-43-2



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D				
Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7		
Client ID:	FDup-42017				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

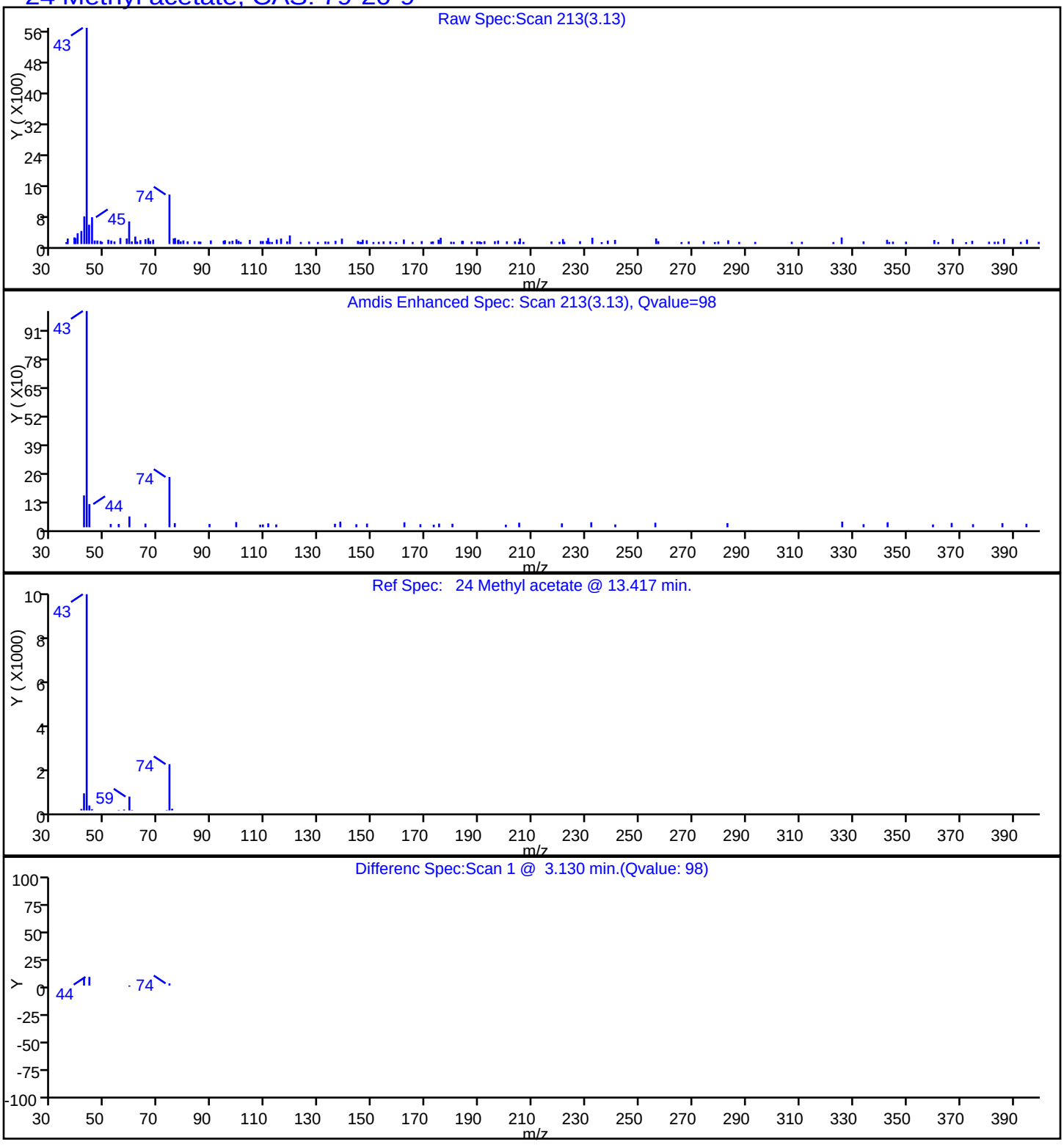
40 cis-1,2-Dichloroethene, CAS: 156-59-2



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7		
Client ID:	FDup-42017				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

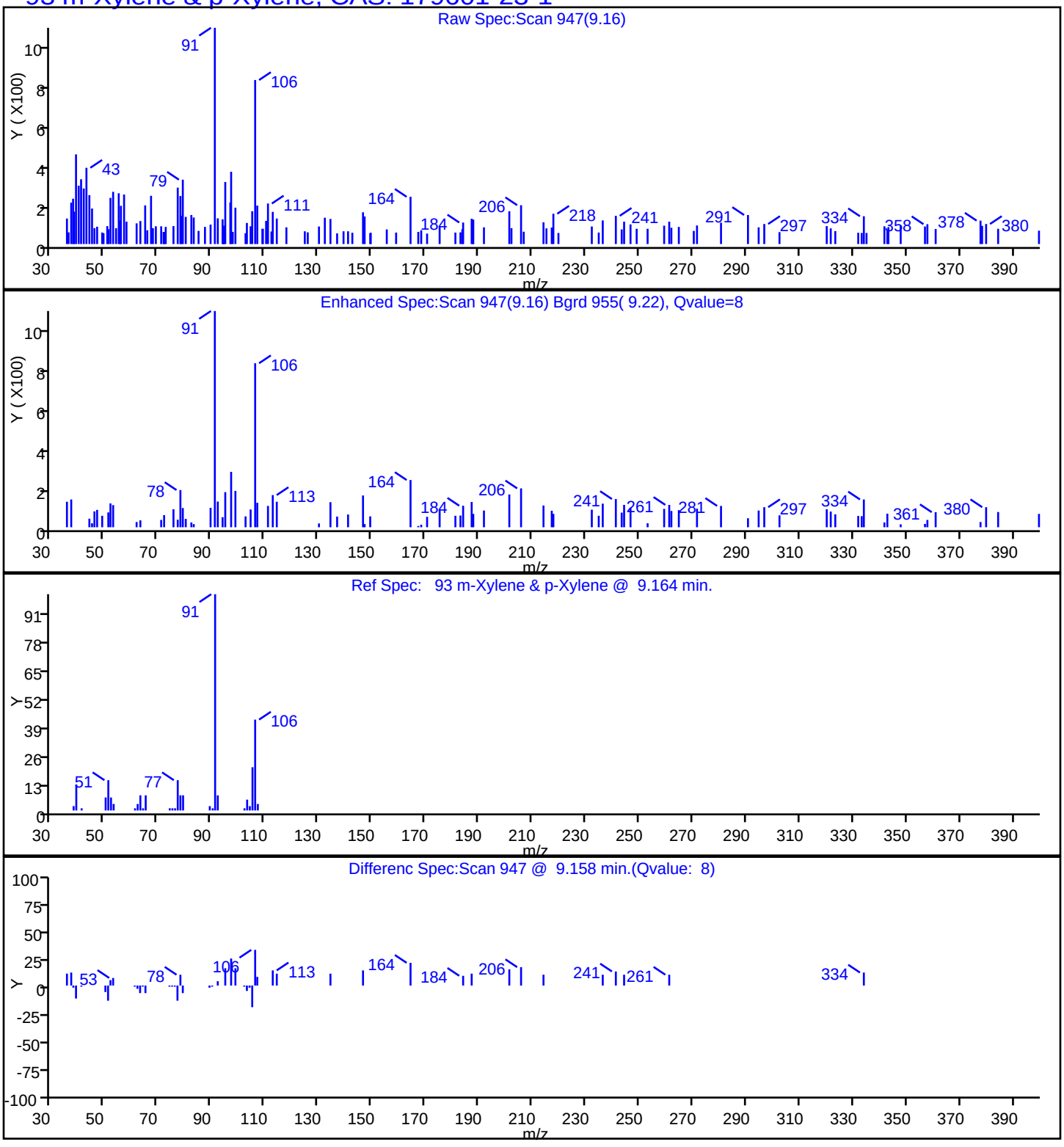
24 Methyl acetate, CAS: 79-20-9



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D		
Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7
Client ID:	FDup-42017		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

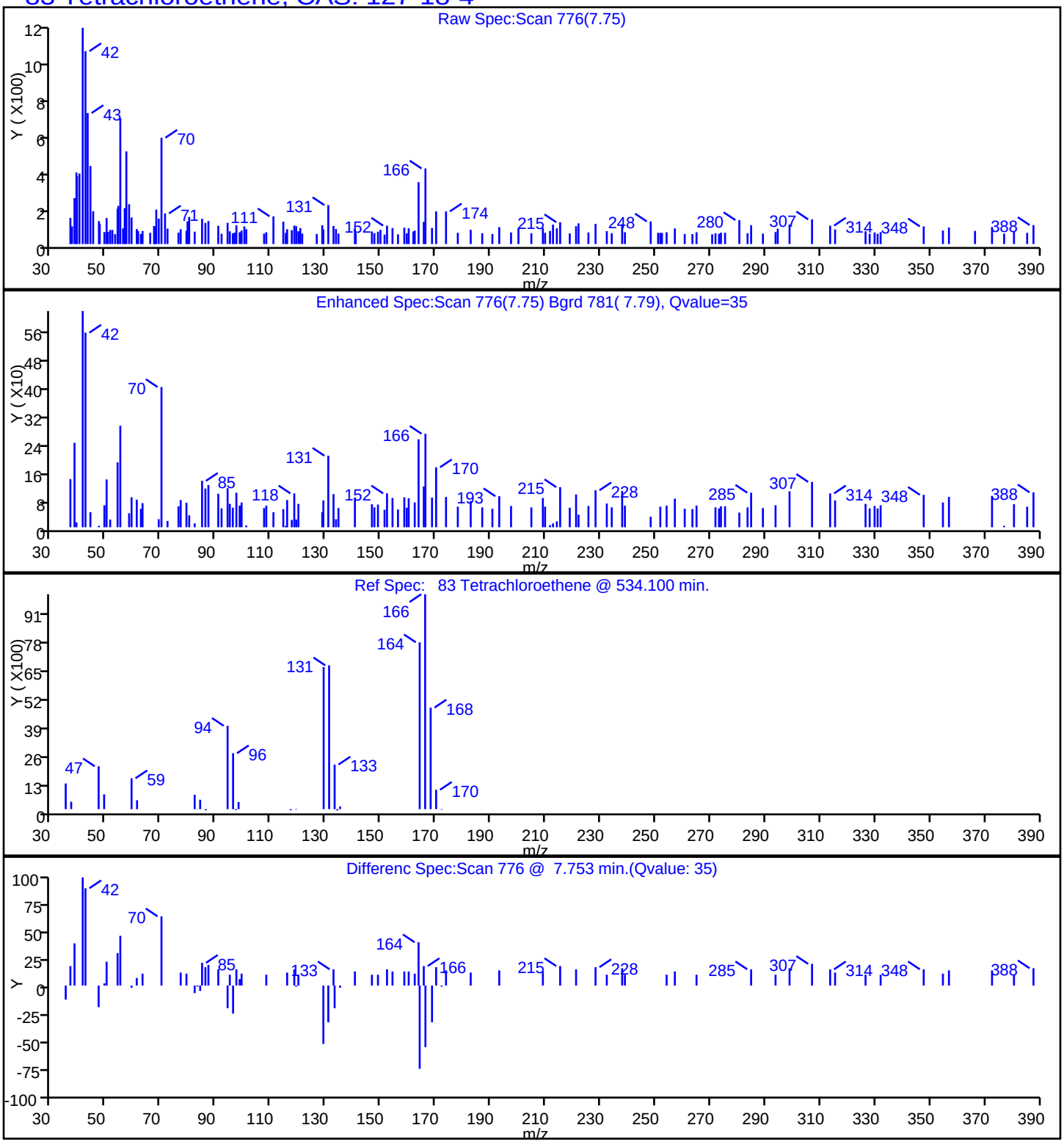
93 m-Xylene & p-Xylene, CAS: 179601-23-1



TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D		
Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7
Client ID:	FDup-42017		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

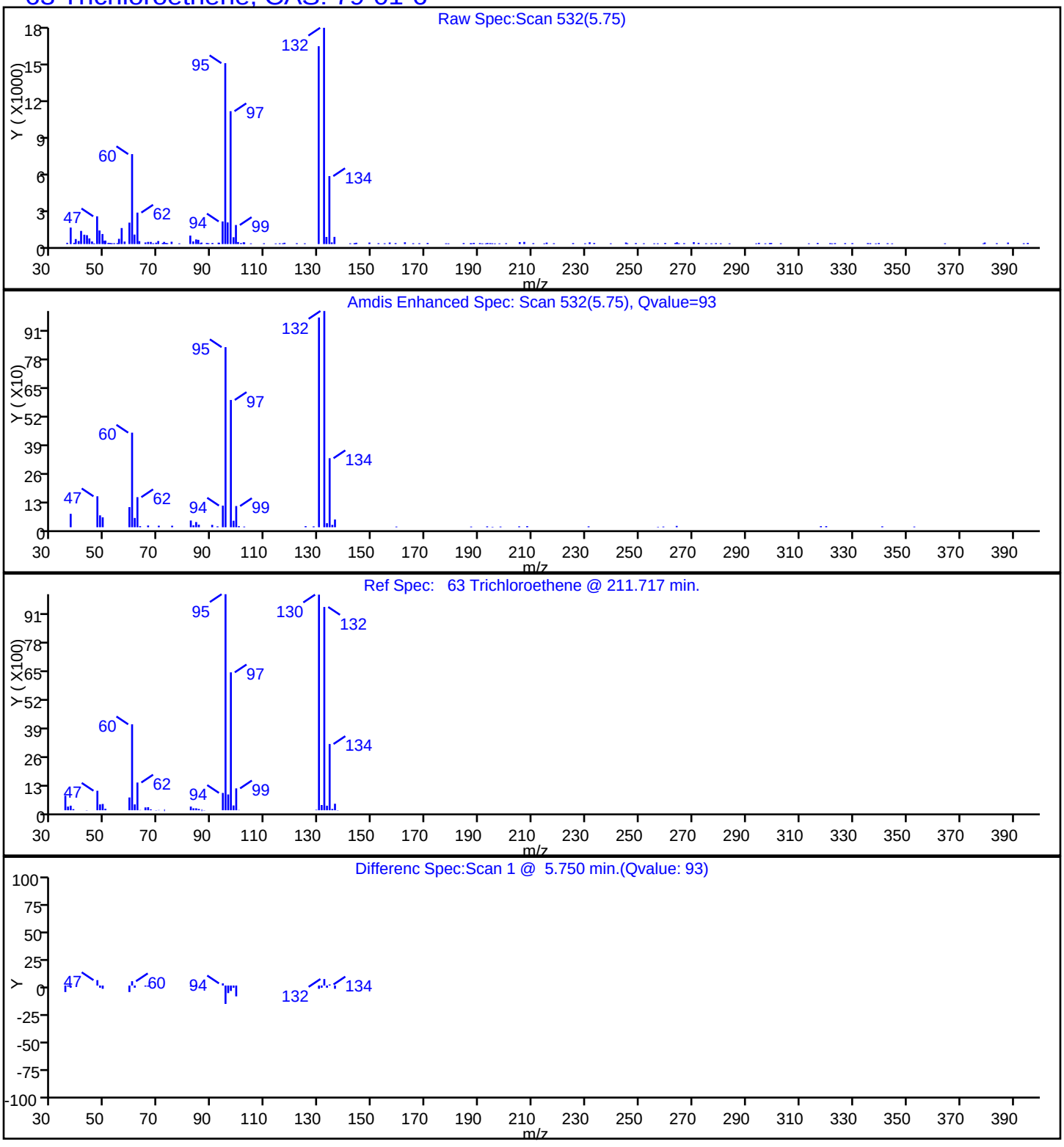
83 Tetrachloroethene, CAS: 127-18-4



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7
Client ID:	FDup-42017		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

63 Trichloroethene, CAS: 79-01-6



Manual Integration/User Assign Peak Report

TestAmerica Edison

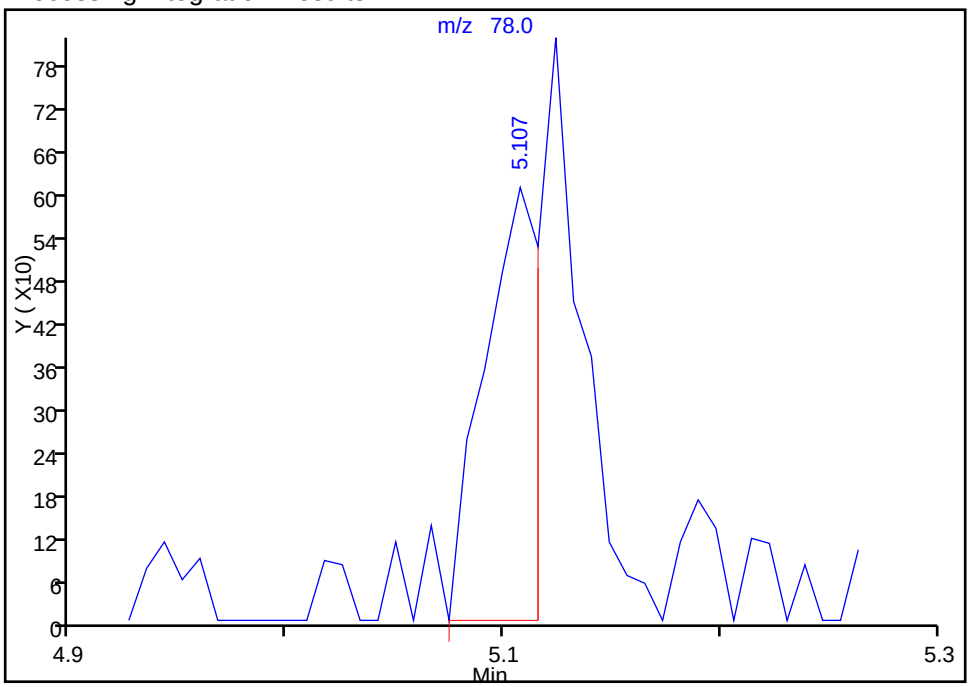
Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D		
Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7
Client ID:	FDup-42017		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

55 Benzene, CAS: 71-43-2

Signal: 1

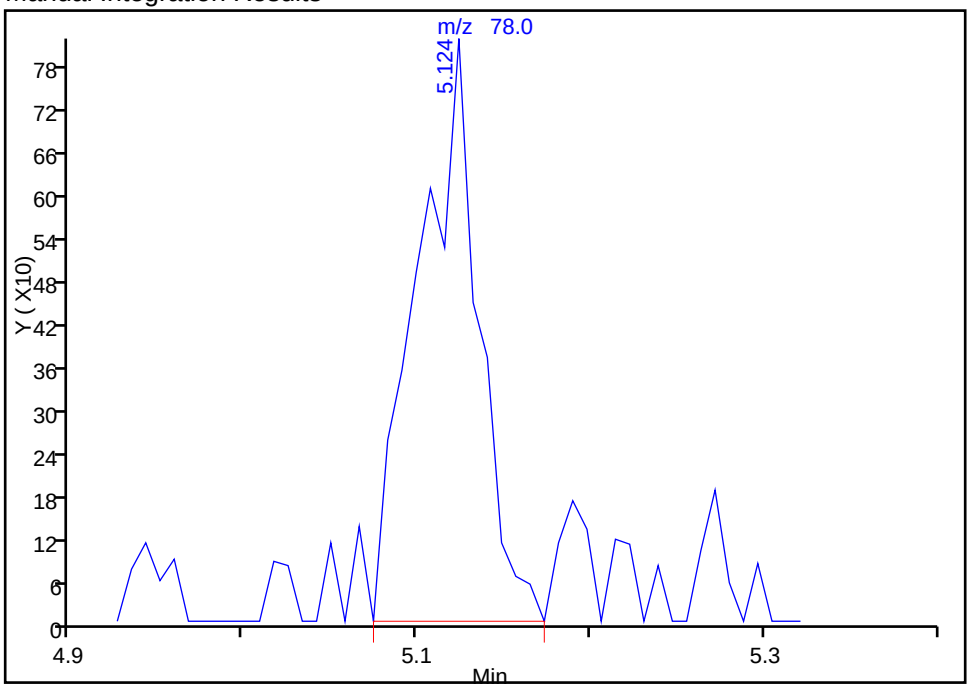
Processing Integration Results

RT: 5.11
Area: 1097
Amount: 0.100107
Amount Units: ug/l



Manual Integration Results

RT: 5.12
Area: 2014
Amount: 0.183788
Amount Units: ug/l



Reviewer: delpolitov, 17-Apr-2017 16:16:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

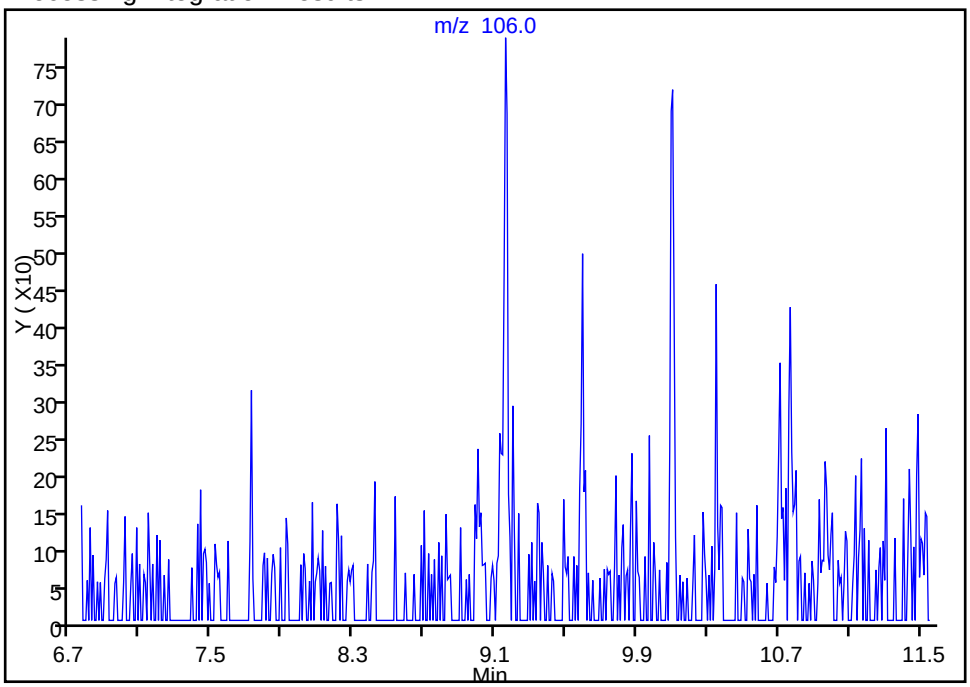
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Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7
Client ID:	FDup-42017		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

93 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

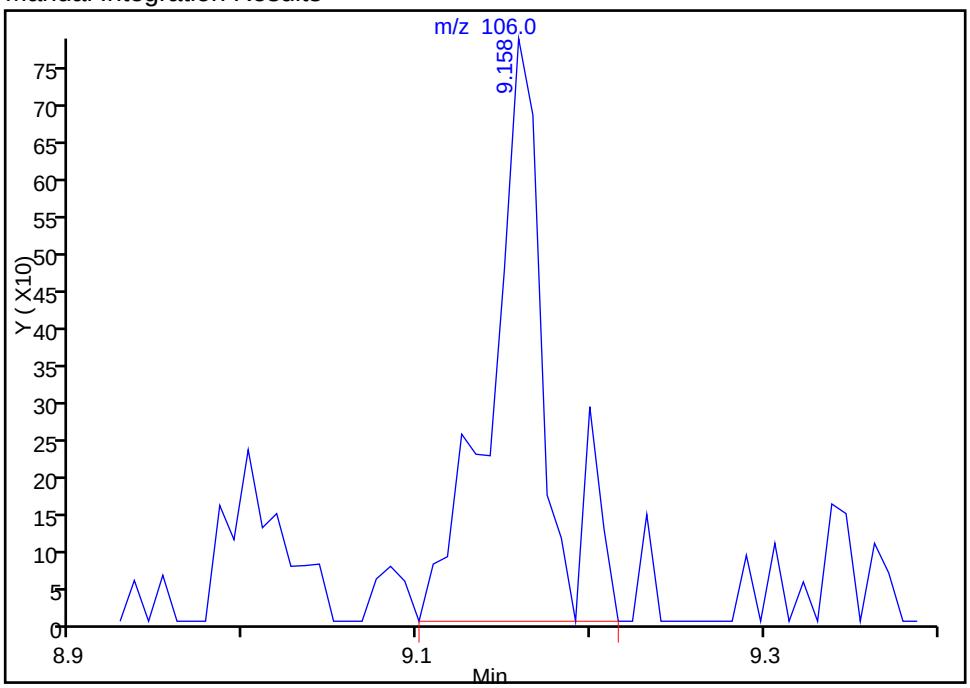
Not Detected
Expected RT: 9.16

Processing Integration Results



Manual Integration Results

RT: 9.16
Area: 1726
Amount: 0.291205
Amount Units: ug/l



Reviewer: delpolitov, 17-Apr-2017 16:16:47
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

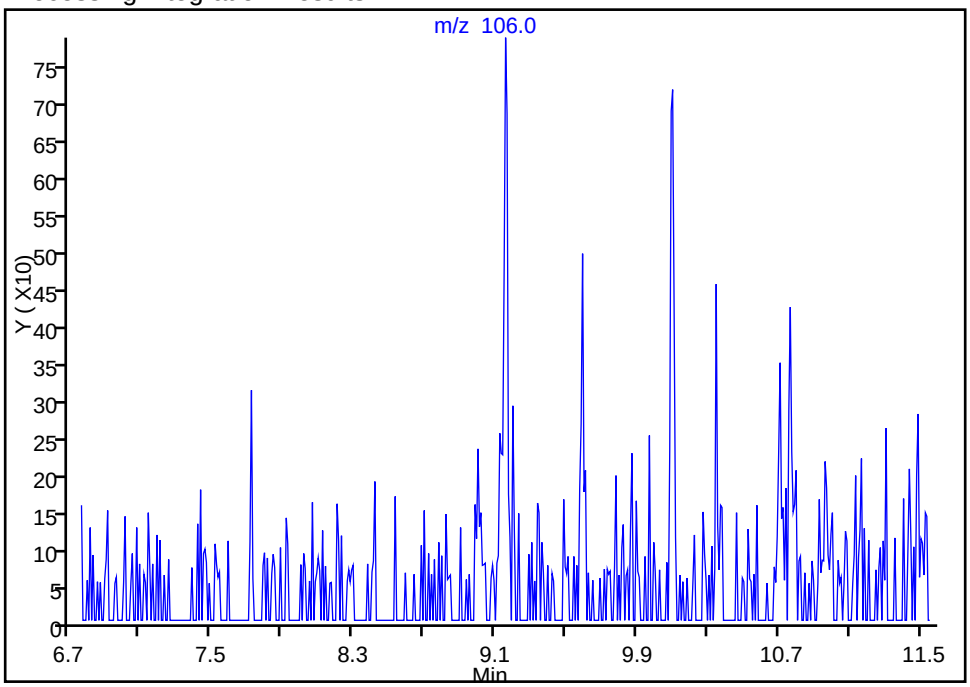
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Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7		
Client ID:	FDup-42017				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

93 m-Xylene & p-Xylene, CAS: 179601-23-1

Signal: 1

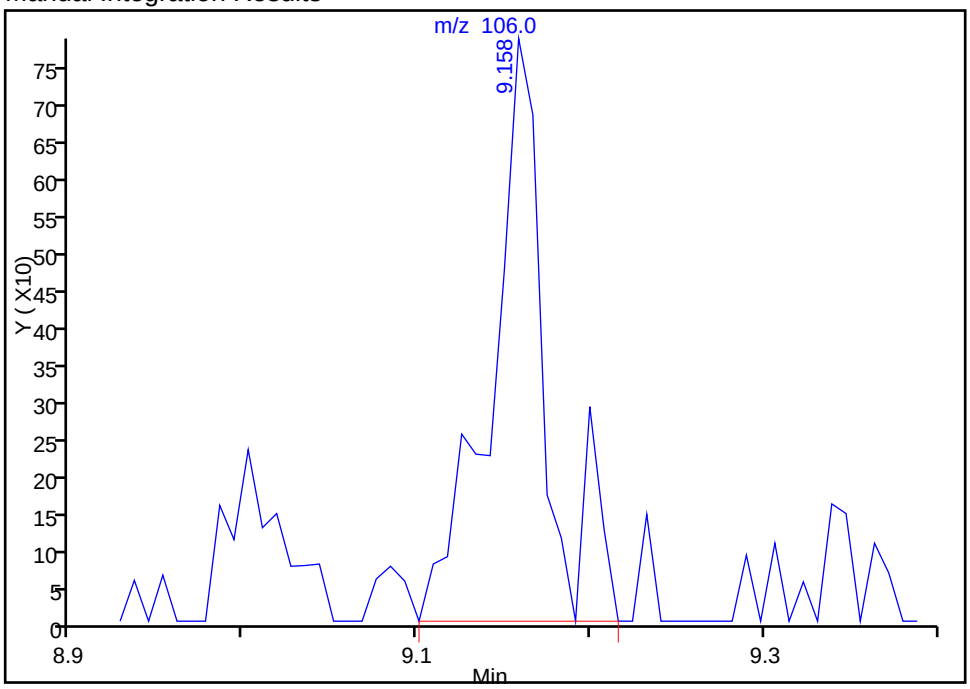
Not Detected
Expected RT: 9.16

Processing Integration Results



Manual Integration Results

RT: 9.16
Area: 1726
Amount: 0.291205
Amount Units: ug/l



Reviewer: delpolitov, 17-Apr-2017 16:17:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

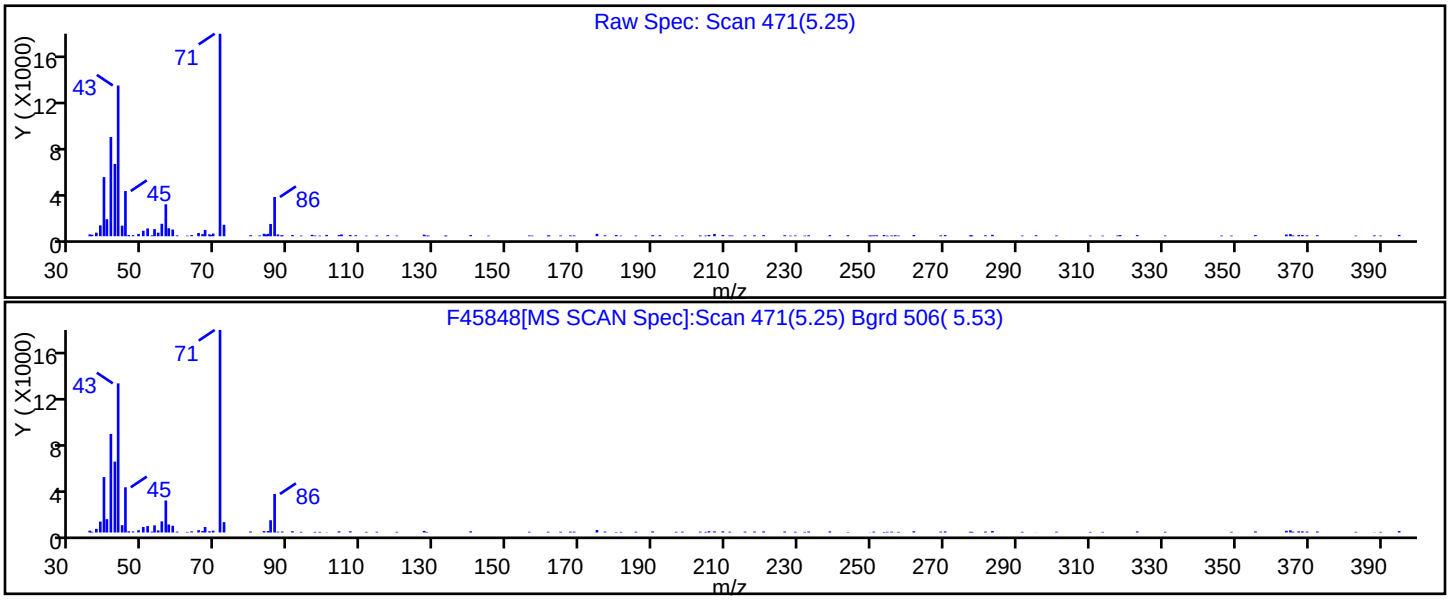
Report Date: 17-Apr-2017 16:17:22 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7		
Client ID:	FDup-42017				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



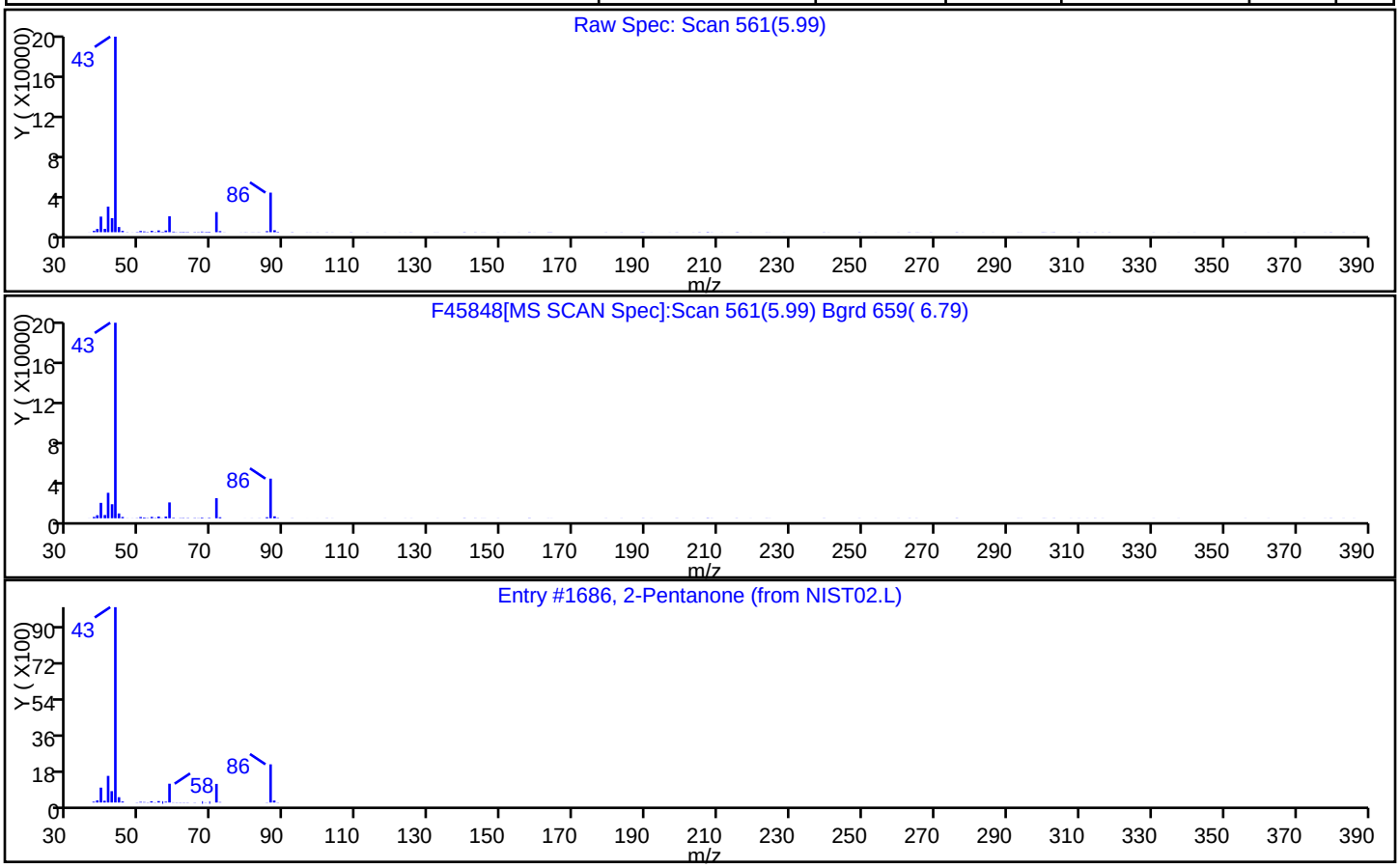
Report Date: 17-Apr-2017 16:17:22 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7
Client ID:	FDup-42017		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:		Detector	MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
2-Pentanone	107-87-9	NIST02.L	1686	C5H10O	86	87

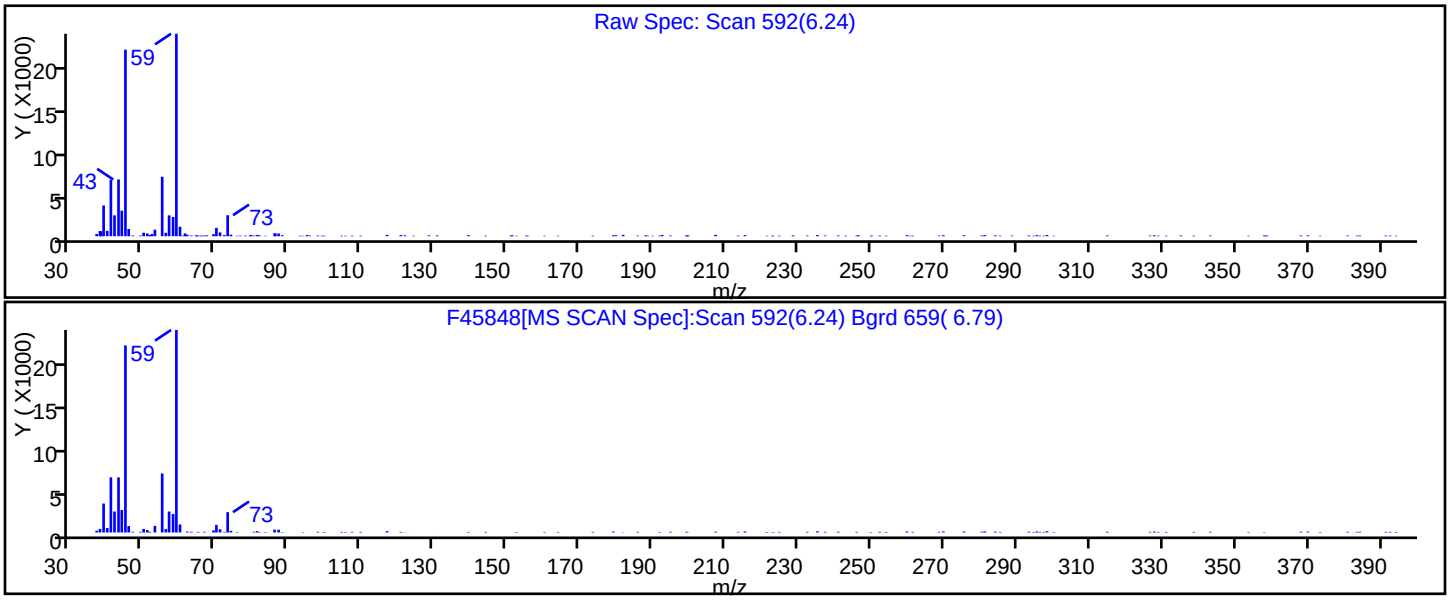


Report Date: 17-Apr-2017 16:17:23 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D				
Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7		
Client ID:	FDup-42017				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



Report Date: 17-Apr-2017 16:17:23 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

Injection Date: 15-Apr-2017 08:13:30 Instrument ID: CVOAMS6

Lims ID: 460-131030-B-7 Lab Sample ID: 460-131030-7

Client ID: FDup-42017

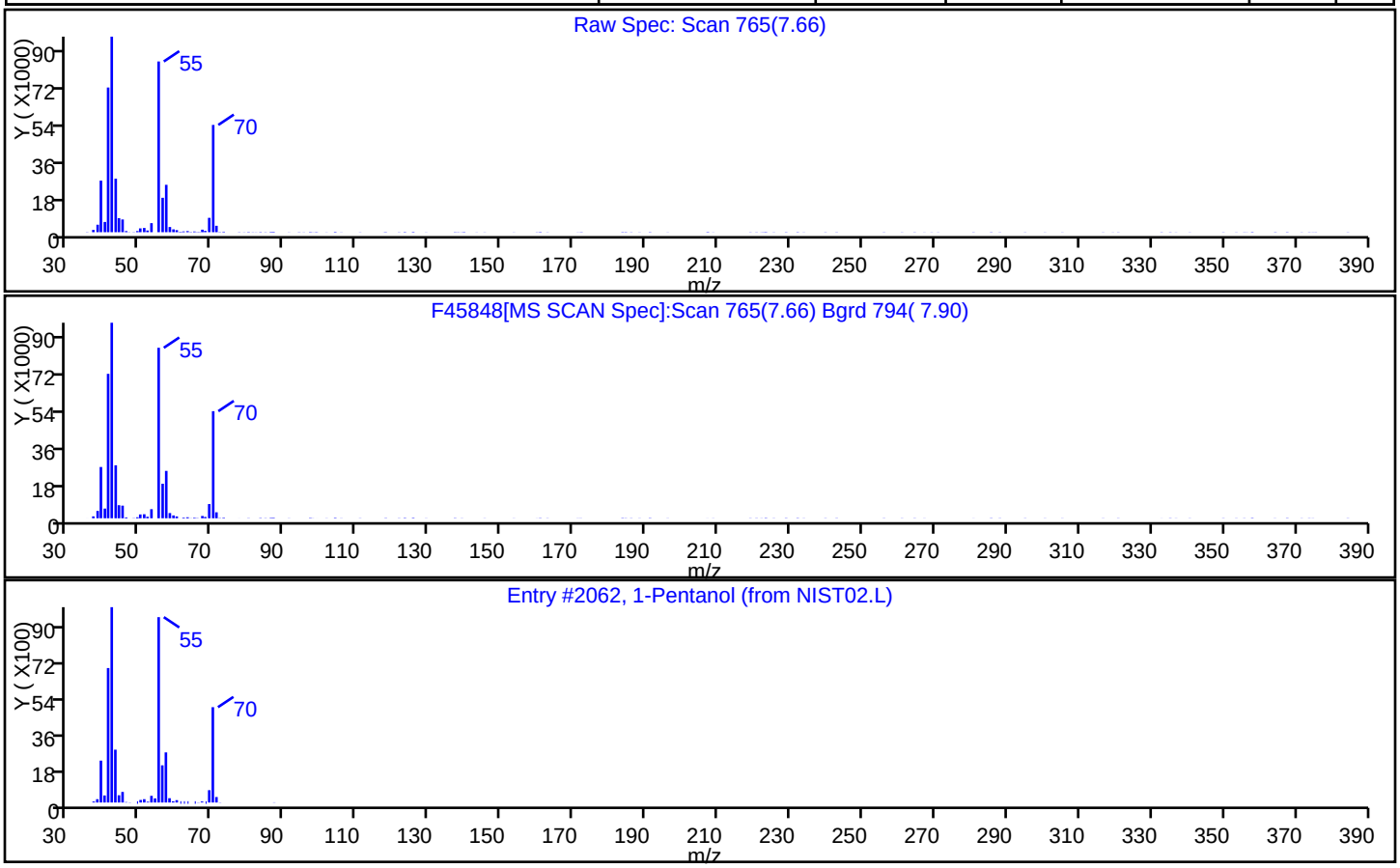
Operator ID: ALS Bottle#: 16 Worklist Smp#: 21

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
1-Pentanol	71-41-0	NIST02.L	2062	C5H12O	88	90



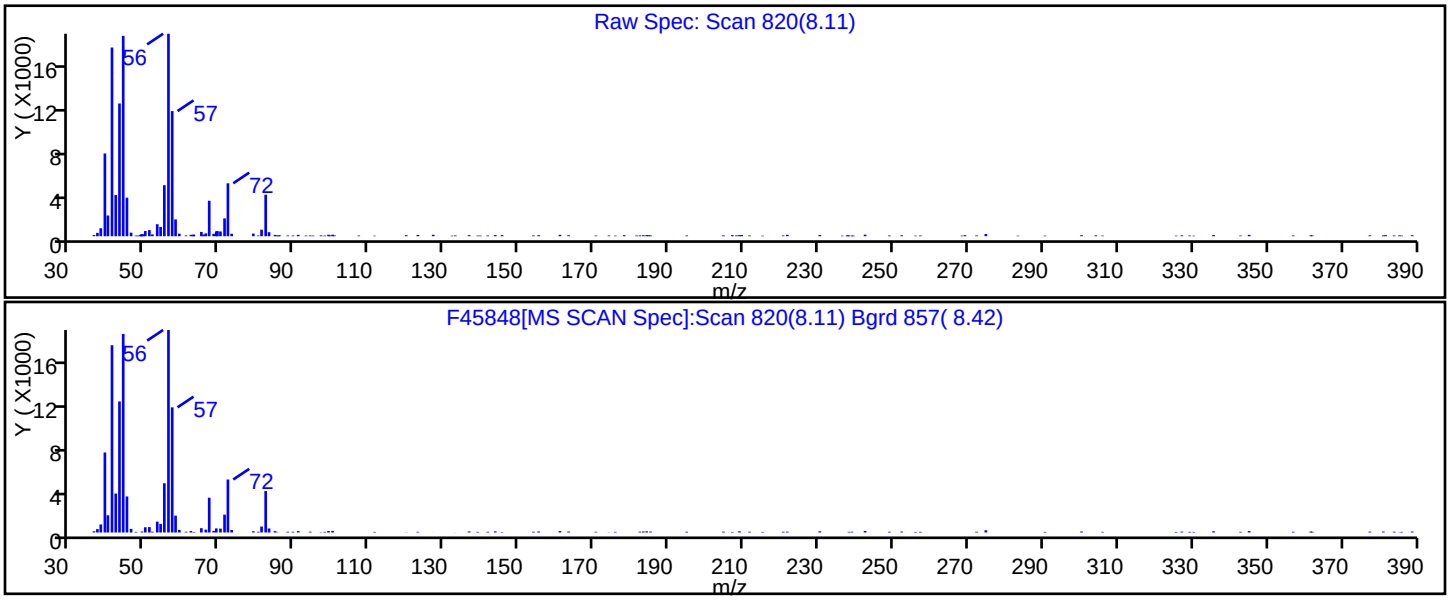
Report Date: 17-Apr-2017 16:17:23 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7		
Client ID:	FDup-42017				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



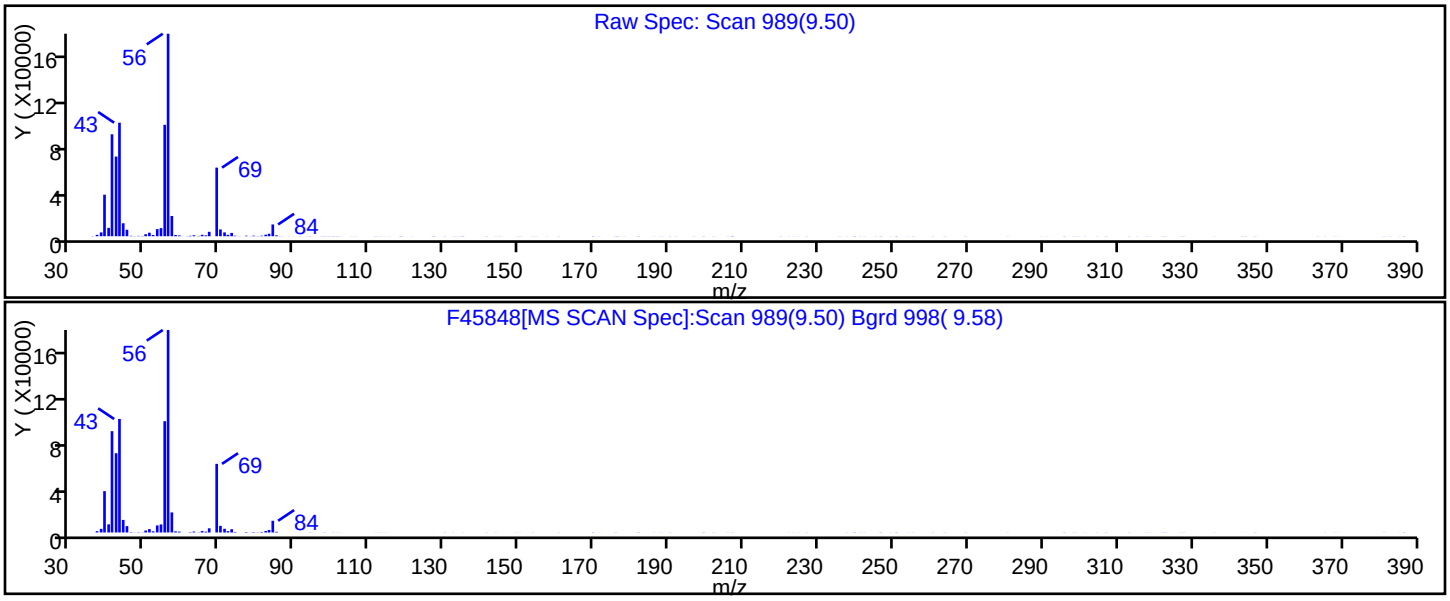
Report Date: 17-Apr-2017 16:17:23 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7		
Client ID:	FDup-42017				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



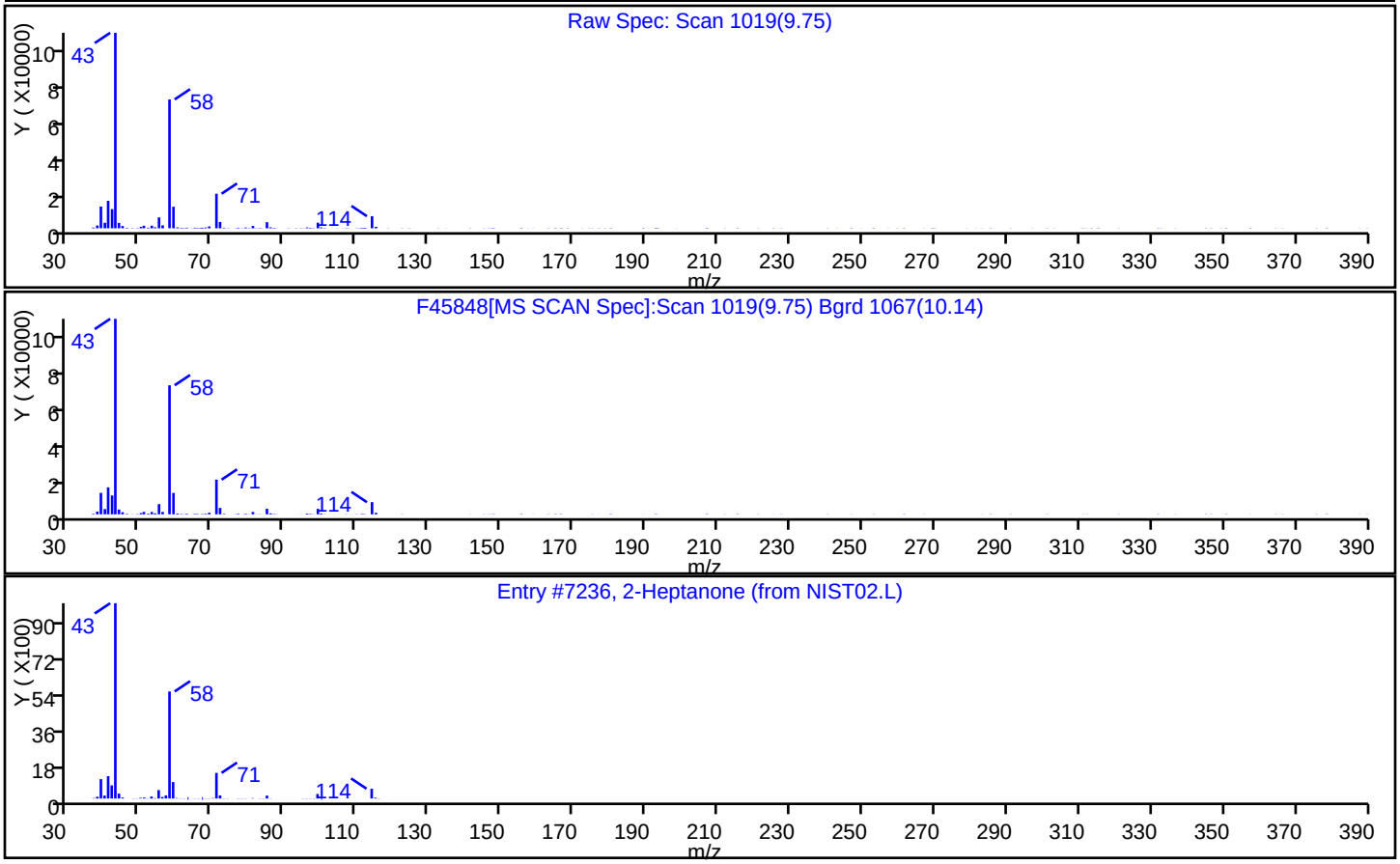
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TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

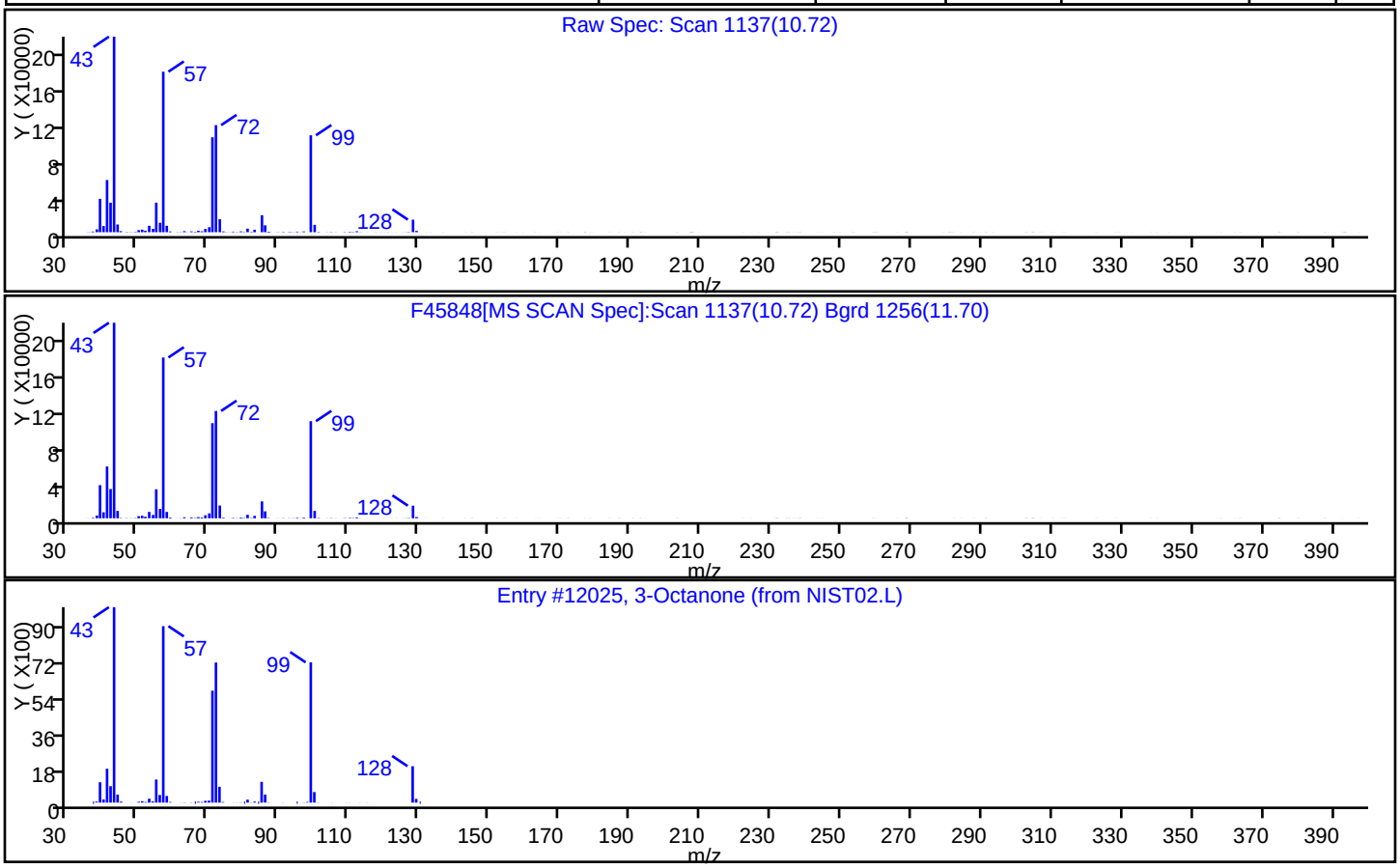
Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7
Client ID:	FDup-42017		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:		Detector	MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
2-Heptanone	110-43-0	NIST02.L	7236	C7H14O	114	91



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D
Injection Date: 15-Apr-2017 08:13:30 Instrument ID: CVOAMS6
Lims ID: 460-131030-B-7 Lab Sample ID: 460-131030-7
Client ID: FDup-42017
Operator ID: ALS Bottle#: 16 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
3-Octanone	106-68-3	NIST02.L	12025	C8H16O	128	95



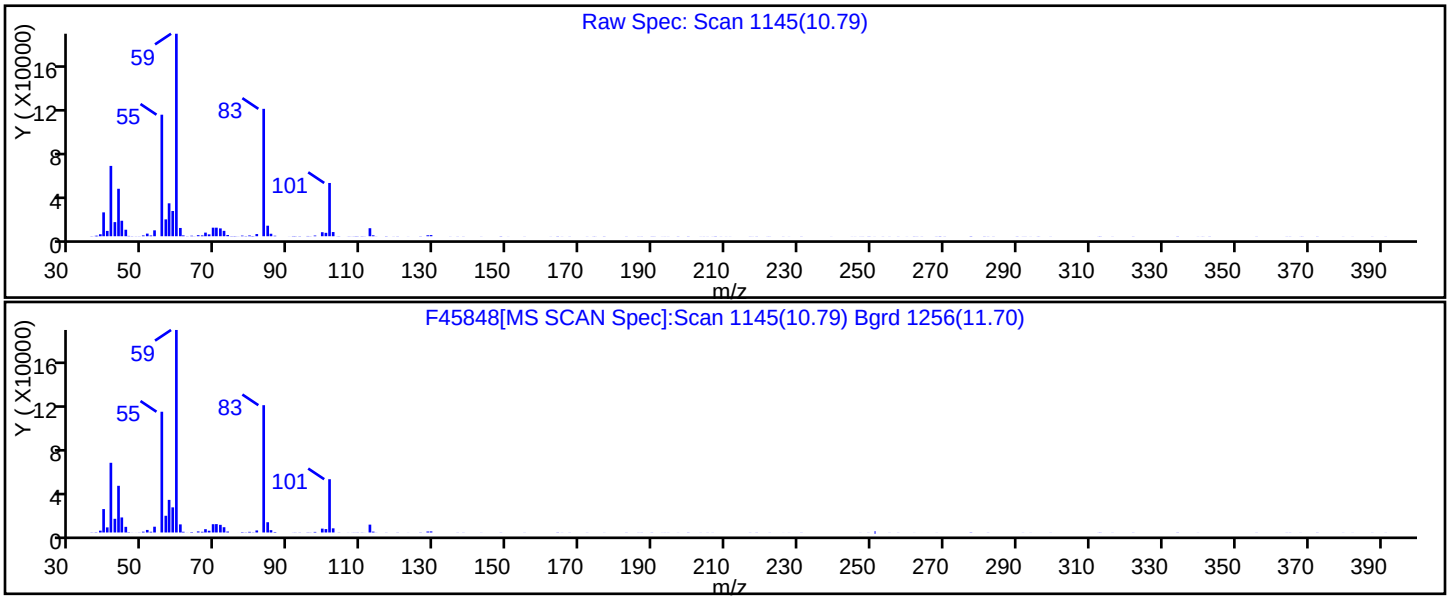
Report Date: 17-Apr-2017 16:17:23 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D

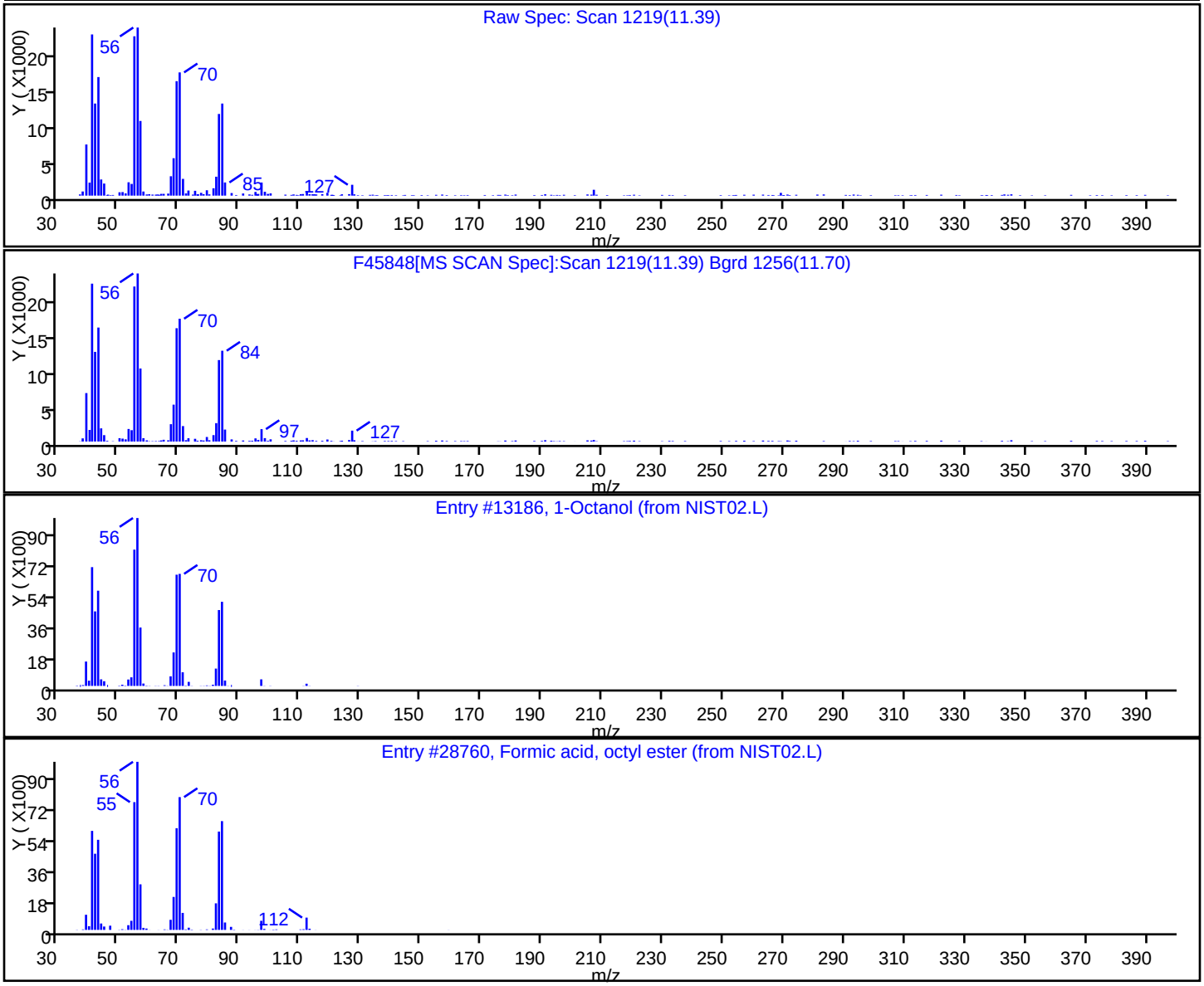
Injection Date:	15-Apr-2017 08:13:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-B-7	Lab Sample ID:	460-131030-7		
Client ID:	FDup-42017				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 85



Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45848.D
Injection Date: 15-Apr-2017 08:13:30 Instrument ID: CVOAMS6
Lims ID: 460-131030-B-7 Lab Sample ID: 460-131030-7
Client ID: FDup-42017
Operator ID: ALS Bottle#: 16 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
1-Octanol	111-87-5	NIST02.L	13186	C8H18O	130	90
Formic acid, octyl ester	112-32-3	NIST02.L	28760	C9H18O2	158	90



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: FB-42017 | Lab Sample ID: 460-131030-8

Matrix: Water | Lab File ID: F45838.D

Analysis Method: 8260C | Date Collected: 04/05/2017 10:50

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 04:23

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone (MEK)	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
124-48-1	Chlorodibromomethane	0.22	U	1.0	0.22
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
75-27-4	Dichlorobromomethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: FB-42017 | Lab Sample ID: 460-131030-8

Matrix: Water | Lab File ID: F45838.D

Analysis Method: 8260C | Date Collected: 04/05/2017 10:50

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 04:23

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
79-20-9	Methyl acetate	0.58	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	0.28	U	1.0	0.28
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		74-132
460-00-4	4-Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	93		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: FB-42017 Lab Sample ID: 460-131030-8

Matrix: Water Lab File ID: F45838.D

Analysis Method: 8260C Date Collected: 04/05/2017 10:50

Sample wt/vol: 5(mL) Date Analyzed: 04/15/2017 04:23

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.: 430489 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45838.D
Lims ID: 460-131030-A-8
Client ID: FB-42017
Sample Type: Client
Inject. Date: 15-Apr-2017 04:23:30 ALS Bottle#: 6 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-A-8
Misc. Info.: 460-0053757-011
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 15-Apr-2017 12:08:45 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: martineze Date: 15-Apr-2017 12:08:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	46	3.242	3.234	0.008	96	43752	1000.0	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	78	93867	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.779	4.770	0.009	97	114179	51.0	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.132	5.124	0.008	96	132757	45.8	
* 61 Fluorobenzene	96	5.403	5.395	0.008	98	372717	50.0	
* 67 1,4-Dioxane-d8	96	6.093	6.110	-0.017	95	13280	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	415298	46.7	
* 89 Chlorobenzene-d5	117	8.862	8.863	0.000	85	326271	50.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	95	185946	49.0	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	95	237743	50.0	

Reagents:

8260ISNEW_00102 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00154 Amount Added: 1.00 Units: uL Run Reagent

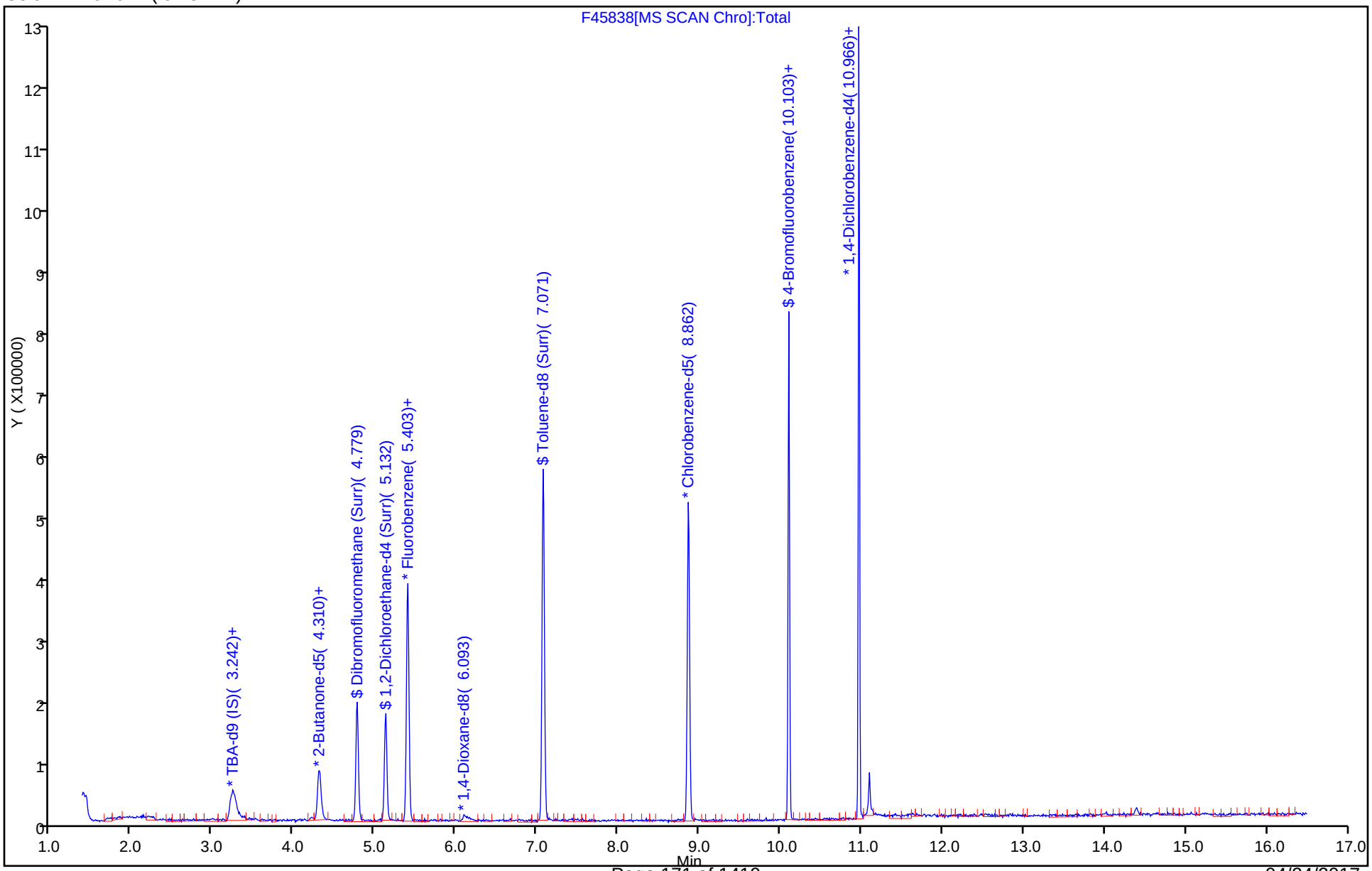
Report Date: 15-Apr-2017 12:08:46 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45838.D

Injection Date:	15-Apr-2017 04:23:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-131030-A-8	Lab Sample ID:	460-131030-8	Worklist Smp#:	11
Client ID:	FB-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-425448/3	F44755.D
Level 2	STD1 460-425448/17	F44769.D
Level 3	STD5 460-425448/5	F44757.D
Level 4	STD20 460-425448/6	F44758.D
Level 5	STD50 460-425448/7	F44759.D
Level 6	STD200 460-425448/8	F44760.D
Level 7	STD500 460-425448/9	F44761.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.0894	0.1206 0.0826	0.1006	0.0882	0.0914	Ave		0.0955				14.3		20.0			
Dichlorodifluoromethane	+++++ 0.6026	0.5809 0.5727	0.5224	0.6143	0.6302	Ave		0.5872			0.1000	6.5		20.0			
Chloromethane	+++++ 0.6675	0.6595 0.6348	0.5962	0.6297	0.6671	Ave		0.6425			0.1000	4.3		20.0			
Butadiene	+++++ 0.5059	0.4132 0.4777	0.4718	0.4814	0.5198	Ave		0.4783				7.7		20.0			
Vinyl chloride	+++++ 0.6717	0.6490 0.6333	0.5847	0.6605	0.6842	Ave		0.6472			0.1000	5.5		20.0			
Bromomethane	+++++ 0.4167	0.4034 0.4149	0.3499	0.4079	0.4050	Ave		0.3996			0.1000	6.2		20.0			
Chloroethane	+++++ 0.3458	0.3901 0.3289	0.2934	0.3345	0.3445	Ave		0.3395			0.1000	9.2		20.0			
Dichlorofluoromethane	+++++ 0.8485	0.7136 0.7845	0.7924	0.8509	0.8854	Ave		0.8125				7.6		20.0			
Trichlorofluoromethane	+++++ 0.6746	0.4933 0.6535	0.6654	0.7096	0.7163	Ave		0.6521			0.1000	12.5		20.0			
Pentane	+++++ 0.0634	0.0724 0.0621	0.0595	0.0652	0.0643	Ave		0.0645				6.7		20.0			
Ethanol	+++++ 0.2532	0.6674 0.3247	0.2727	0.2665	0.2500	Qua2	17.769	0.2174	0.0000052						0.9930		0.9900
Ethyl ether	+++++ 0.2707	0.3572 0.2518	0.2505	0.2599	0.2761	Ave		0.2777				14.5		20.0			
2-Methyl-1,3-butadiene	+++++ 0.3504	0.3502 0.3323	0.3108	0.3369	0.3246	Ave		0.3342				4.6		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.3015	0.3629 0.2822	0.3050	0.2860	0.2978	Ave		0.3059				9.6		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

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 4	LVL 5		B	M1	M2								
Acrolein	+++++ 5.7581	7.2629 7.0859	5.8186	6.7566	5.8142	Ave		6.4161				10.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.3821	0.4888 0.3547	0.3563	0.3734	0.3792	Ave		0.3891			0.1000	12.9		20.0			
1,1-Dichloroethene	+++++ 0.3459	0.3714 0.3236	0.3333	0.3409	0.3421	Ave		0.3429			0.1000	4.7		20.0			
Acetone	+++++ 1.3964	2.3057 1.2360	1.5505	1.4021	1.4820	Qua2	4.3980	1.4171	-0.000065		0.0500				0.9990		0.9900
Iodomethane	+++++ 0.6843	0.7161 0.6196	0.6514	0.6705	0.6814	Ave		0.6706				4.9		20.0			
Isopropyl alcohol	+++++ 2.8407	3.9605 3.5517	3.0370	2.8049	2.8674	Ave		3.1770				14.9		20.0			
Carbon disulfide	+++++ 1.3435	1.4370 1.1445	1.3314	1.3107	1.3540	Ave		1.3202			0.1000	7.3		20.0			
Allyl chloride	+++++ 0.8530	0.8679 0.7705	0.7699	0.8363	0.8390	Ave		0.8228				5.1		20.0			
Methyl acetate	+++++ 0.2156	0.1743 0.1905	0.2007	0.2153	0.2145	Ave		0.2018			0.1000	8.4		20.0			
Cyclopentene	+++++ 0.9234	0.8223 0.8425	0.8290	0.8453	0.8832	Ave		0.8576				4.5		20.0			
Acetonitrile	+++++ 0.0473	0.0396 0.0437	0.0454	0.0486	0.0470	Ave		0.0453				7.2		20.0			
Methylene Chloride	+++++ 0.3932	0.5235 0.3624	0.3861	0.4051	0.4021	Ave		0.4121			0.1000	13.8		20.0			
2-Methyl-2-propanol	+++++ 4.5487	5.4317 5.7840	4.2577	4.2375	4.3143	Ave		4.7623				14.1		20.0			
Methyl tert-butyl ether	+++++ 1.0633	1.1189 0.9758	0.9600	1.0598	1.0607	Ave		1.0398			0.1000	5.8		20.0			
trans-1,2-Dichloroethene	+++++ 0.3737	0.4447 0.3420	0.3889	0.3713	0.3844	Ave		0.3842			0.1000	8.8		20.0			
Acrylonitrile	0.1095 0.1062	0.1068 0.0950	0.0966	0.1048	0.1057	Ave		0.1035				5.3		20.0			
Hexane	+++++ 0.3791	0.3368 0.3333	0.3501	0.3844	0.3920	Ave		0.3626				7.1		20.0			
Isopropyl ether	+++++ 1.3618	1.2524 1.2243	1.2682	1.3340	1.3738	Ave		1.3024				4.8		20.0			
1,1-Dichloroethane	+++++ 0.7179	0.6581 0.6496	0.6661	0.6851	0.7085	Ave		0.6809			0.2000	4.1		20.0			
Vinyl acetate	+++++ 8.3323	10.209 10.582	8.8931	8.2868	8.4998	Ave		9.1338				11.0		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

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 4	LVL 5		B	M1	M2								
2-Chloro-1,3-butadiene	+++++ 0.3403	0.2724 0.3181	0.2993	0.3145	0.3228	Ave		0.3112				7.5		20.0			
Tert-butyl ethyl ether	+++++ 1.2559	0.9210 1.1426	1.1841	1.2007	1.2415	Ave		1.1576				10.6		20.0			
2,2-Dichloropropane	+++++ 0.1473	0.1232 0.1383	0.1610	0.1359	0.1436	Ave		0.1415				8.9		20.0			
cis-1,2-Dichloroethene	+++++ 0.4300	0.4910 0.4001	0.3890	0.4020	0.4281	Ave		0.4233			0.1000	8.7		20.0			
2-Butanone (MEK)	+++++ 0.5574	1.1590 0.4940	0.5733	0.5275	0.5870	Lin2	3.1503	0.5156			0.0500				0.9910		0.9900
Ethyl acetate	+++++ 0.5106	0.6514 0.4626	0.5637	0.5285	0.5386	Ave		0.5426				11.6		20.0			
Methyl acrylate	+++++ 0.2861	0.2875 0.2488	0.2502	0.2871	0.2631	Ave		0.2705				6.9		20.0			
Propionitrile	+++++ 5.8125	6.3019 7.2918	5.7395	5.8344	6.0382	Ave		6.1697				9.5		20.0			
Chlorobromomethane	+++++ 0.1989	0.2436 0.1891	0.2023	0.2000	0.1980	Ave		0.2053				9.4		20.0			
Tetrahydrofuran	+++++ 0.6034	1.4090 0.5451	0.6750	0.6762	0.6016	Lin2	1.6443	0.5767							0.9940		0.9900
Methacrylonitrile	+++++ 0.1174	0.1067 0.1068	0.1065	0.1154	0.1140	Ave		0.1111				4.5		20.0			
Chloroform	+++++ 0.6866	0.6728 0.6254	0.6371	0.6638	0.6698	Ave		0.6593			0.2000	3.5		20.0			
Cyclohexane	+++++ 0.6335	0.6207 0.5838	0.5529	0.6223	0.5981	Ave		0.6019			0.1000	5.0		20.0			
1,1,1-Trichloroethane	+++++ 0.6623	0.7368 0.6121	0.6336	0.6273	0.6426	Ave		0.6524			0.1000	6.8		20.0			
Carbon tetrachloride	+++++ 0.5814	0.5580 0.5395	0.5482	0.5356	0.5710	Ave		0.5556			0.1000	3.2		20.0			
1,1-Dichloropropene	+++++ 0.5262	0.5583 0.4758	0.5072	0.4909	0.4997	Ave		0.5097				5.7		20.0			
Isobutyl alcohol	+++++ 2.2937	2.0239 2.8634	2.1732	2.0399	2.2771	Ave		2.2785				13.5		20.0			
Benzene	+++++ 1.6848	1.8407 1.3307	1.6776	1.6347	1.6741	Ave		1.6404			0.5000	10.2		20.0			
Isopropyl acetate	+++++ 1.0684	1.0114 0.9765	0.9572	1.0310	1.0648	Ave		1.0182				4.5		20.0			
Tert-amyl methyl ether	+++++ 1.1545	1.1894 1.0699	1.0664	1.0916	1.1144	Ave		1.1144				4.4		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

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 4	LVL 5		B	M1	M2								
1,2-Dichloroethane	+++++ 0.5321	0.5581 0.4918	0.4875	0.5105	0.5280	Ave		0.5180			0.1000	5.2		20.0			
n-Heptane	+++++ 0.3028	0.2809 0.2663	0.3140	0.3019	0.3163	Ave		0.2970				6.6		20.0			
n-Butanol	+++++ 1.3393	1.2240 1.7506	1.1848	1.2690	1.3286	Ave		1.3494				15.2		20.0			
Trichloroethene	+++++ 0.3842	0.4041 0.3600	0.3410	0.3604	0.3668	Ave		0.3694			0.2000	5.9		20.0			
Ethyl acrylate	+++++ 0.9759	0.8265 0.8975	0.8922	0.9324	0.9710	Ave		0.9159				6.1		20.0			
Methylcyclohexane	+++++ 0.7243	0.6462 0.6663	0.6231	0.7033	0.7126	Ave		0.6793			0.1000	5.9		20.0			
1,2-Dichloropropane	+++++ 0.4111	0.4034 0.3890	0.3767	0.3996	0.4006	Ave		0.3967			0.1000	3.1		20.0			
Methyl methacrylate	+++++ 0.0835	0.0851 0.0826	0.0701	0.0777	0.0781	Ave		0.0795				6.9		20.0			
1,4-Dioxane	+++++ 1.0304	2.1920 0.6369	1.6883	1.4759	1.4350	QuaF		1.3269	-0.000069						0.9990		0.9900
n-Propyl acetate	+++++ 0.4675	0.3941 0.4527	0.4270	0.4310	0.4457	Ave		0.4363				5.8		20.0			
Dibromomethane	+++++ 0.2223	0.2386 0.2205	0.1993	0.2100	0.2123	Ave		0.2172				6.1		20.0			
Dichlorobromomethane	+++++ 0.5277	0.5146 0.5004	0.4883	0.4921	0.5095	Ave		0.5054			0.2000	2.9		20.0			
2-Chloroethyl vinyl ether	+++++ 0.2171	0.2496 0.2151	0.1797	0.1992	0.2029	Ave		0.2106				11.1		20.0			
2-Nitropropane	+++++ 0.0969	0.1125 0.0961	0.1082	0.0932	0.0945	Ave		0.1002				8.0		20.0			
Epichlorohydrin	0.6729 0.5161	0.6390 0.4635	0.4937	0.5104	0.5181	Ave		0.5448				14.5		20.0			
cis-1,3-Dichloropropene	+++++ 0.7408	0.7260 0.6560	0.6572	0.6844	0.7179	Ave		0.6971			0.2000	5.2		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 5.9533	6.0271 4.7371	5.4177	5.8062	5.9859	Ave		5.6546			0.0500	8.9		20.0			
Toluene	+++++ 1.8186	1.8747 1.4377	1.6708	1.7197	1.8022	Ave		1.7206			0.4000	9.1		20.0			
trans-1,3-Dichloropropene	+++++ 0.6748	0.6401 0.5899	0.5599	0.6324	0.6549	Ave		0.6253			0.1000	6.8		20.0			
Ethyl methacrylate	+++++ 0.5299	0.5583 0.4689	0.4496	0.4936	0.4947	Ave		0.4992				7.9		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

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 4	LVL 5		B	M1	M2								
1,1,2-Trichloroethane	+++++ 0.3114	0.3340 0.2838	0.2881	0.2888	0.3012	Ave		0.3012			0.1000	6.3		20.0			
Tetrachloroethene	+++++ 0.5256	0.4410 0.4541	0.4800	0.4938	0.5063	Ave		0.4835			0.2000	6.6		20.0			
1,3-Dichloropropane	+++++ 0.6319	0.5809 0.5559	0.5242	0.6004	0.6168	Ave		0.5850				6.8		20.0			
2-Hexanone	+++++ 3.9700	3.4554 3.4067	3.4874	3.7432	4.0744	Ave		3.6895			0.0500	7.7		20.0			
n-Butyl acetate	+++++ 0.6584	0.6271 0.5907	0.5499	0.6156	0.6266	Ave		0.6114				6.1		20.0			
Chlorodibromomethane	+++++ 0.4801	0.4239 0.4253	0.4280	0.4314	0.4435	Ave		0.4387			0.1000	4.9		20.0			
Ethylene Dibromide	+++++ 0.3610	0.3484 0.3229	0.3216	0.3375	0.3466	Ave		0.3397			0.1000	4.5		20.0			
Chlorobenzene	+++++ 1.3167	1.2830 1.1057	1.2246	1.2459	1.2878	Ave		1.2439			0.5000	6.0		20.0			
Ethylbenzene	+++++ 0.7338	0.7976 0.6493	0.6557	0.6754	0.7024	Ave		0.7024			0.1000	8.0		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.5588	0.5210 0.5009	0.5076	0.5149	0.5227	Ave		0.5210				3.9		20.0			
m-Xylene & p-Xylene	+++++ 0.9214	0.9830 0.7894	0.8789	0.8679	0.8830	Ave		0.8873			0.1000	7.2		20.0			
n-Butyl acrylate	+++++ 0.3879	0.2944 0.3582	0.3040	0.3483	0.3706	Ave		0.3439				10.8		20.0			
o-Xylene	+++++ 0.9796	1.0815 0.8342	0.8692	0.9131	0.9377	Ave		0.9359			0.3000	9.4		20.0			
Styrene	+++++ 1.5754	1.5551 1.2280	1.4616	1.5204	1.5882	Ave		1.4881			0.3000	9.1		20.0			
Amyl acetate (mixed isomers)	+++++ 1.5072	1.0588 1.2898	1.2029	1.3520	1.4544	Ave		1.3109				12.6		20.0			
Bromoform	+++++ 0.3818	0.3446 0.3391	0.3515	0.3532	0.3610	Ave		0.3552			0.1000	4.2		20.0			
Isopropylbenzene	+++++ 2.3681	2.4874 +++++	2.3685	2.4171	2.4979	Ave		2.4278			0.1000	2.6		20.0			
Bromobenzene	+++++ 0.9887	1.0272 0.8893	0.8798	0.9455	1.0056	Ave		0.9560				6.4		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7942	0.8668 0.7061	0.7320	0.7570	0.7960	Ave		0.7753			0.3000	7.3		20.0			
N-Propylbenzene	+++++ 3.7314	4.0488 +++++	3.8817	4.0273	4.3202	Ave		4.0019				5.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

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 4	LVL 5		B	M1	M2								
1,2,3-Trichloropropane	+++++ 0.2300	0.2813 0.2121	0.2284	0.2188	0.2221	Ave		0.2321				10.8		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2587	0.1783 0.2428	0.2358	0.2404	0.2496	Ave		0.2342				12.2		20.0			
2-Chlorotoluene	+++++ 2.8523	3.0751 2.0249	2.6287	2.8392	3.0255	Ave		2.7409				14.0		20.0			
4-Ethyltoluene	+++++ 3.3812	2.7130 2.3102	3.0999	3.4671	3.6602	Ave		3.1053				16.4		20.0			
1,3,5-Trimethylbenzene	+++++ 3.0190	3.2425 +++++	2.8829	3.0819	3.2692	Ave		3.0991				5.2		20.0			
4-Chlorotoluene	+++++ 2.5429	2.7092 1.8600	2.4903	2.5801	2.7669	Ave		2.4916				13.1		20.0			
Butyl Methacrylate	+++++ 1.1866	1.0231 1.0254	1.0061	1.0930	1.2080	Ave		1.0904				8.1		20.0			
tert-Butylbenzene	+++++ 2.6609	2.5194 1.8681	2.3923	2.5755	2.8260	Ave		2.4737				13.3		20.0			
1,2,4-Trimethylbenzene	+++++ 3.0576	3.4208 +++++	3.0065	3.2734	3.4570	Ave		3.2431				6.3		20.0			
sec-Butylbenzene	+++++ 3.6126	3.5910 +++++	3.7331	4.0370	4.2310	Ave		3.8409				7.3		20.0			
4-Isopropyltoluene	+++++ 3.3312	3.3081 +++++	3.4786	3.6190	3.7863	Ave		3.5047				5.7		20.0			
1,3-Dichlorobenzene	+++++ 1.9814	2.0376 1.5097	1.8101	1.9579	2.0295	Ave		1.8877			0.6000	10.7		20.0			
1,4-Dichlorobenzene	+++++ 1.9567	2.3027 1.5076	1.9222	1.9751	2.0831	Ave		1.9579			0.5000	13.3		20.0			
1,2,3-Trimethylbenzene	+++++ 3.1253	2.5891 +++++	3.1856	3.4776	3.6353	Ave		3.2026				12.5		20.0			
Benzyl chloride	+++++ 1.7317	1.6700 1.3277	1.6577	1.8281	1.8020	Ave		1.6695				10.8		20.0			
Indan	+++++ 3.0664	2.8295 +++++	3.0298	3.3894	3.4838	Ave		3.1598				8.6		20.0			
p-Diethylbenzene	+++++ 2.0812	1.7243 1.5675	1.8698	2.0730	2.2003	Ave		1.9193				12.6		20.0			
n-Butylbenzene	+++++ 1.8379	1.7613 1.3854	1.8660	1.8737	1.9480	Ave		1.7787				11.4		20.0			
1,2-Dichlorobenzene	+++++ 1.8311	1.8646 1.3980	1.8095	1.8725	1.9452	Ave		1.7868			0.4000	11.0		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 3.1154	2.5272 +++++	3.1432	3.5197	3.5707	Ave		3.1752				13.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

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 4	LVL 5		B	M1	M2								
1,2-Dibromo-3-Chloropropane	+++++ 0.1578	0.1530 0.1434	0.1470	0.1390	0.1629	Ave		0.1505			0.0500	6.0		20.0			
1,3,5-Trichlorobenzene	+++++ 1.5843	1.3727 1.2411	1.3694	1.5792	1.6300	Ave		1.4628				10.7		20.0			
1,2,4-Trichlorobenzene	+++++ 1.4989	1.4611 1.2153	1.3523	1.4654	1.5318	Ave		1.4208			0.2000	8.3		20.0			
Hexachlorobutadiene	+++++ 0.7599	0.6935 0.6421	0.7627	0.7384	0.7822	Ave		0.7298				7.2		20.0			
Naphthalene	+++++ 2.6182	2.7582 1.8774	2.4064	2.5559	2.7485	Ave		2.4941				13.2		20.0			
1,2,3-Trichlorobenzene	+++++ 1.4259	1.3193 1.1662	1.3728	1.2996	1.4734	Ave		1.3429				8.1		20.0			
Dibromofluoromethane (Surr)	0.2998 0.3017	0.3054 0.2976	0.2905	0.3018	0.3038	Ave		0.3001				1.6		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3728 0.3978	0.3794 0.4389	0.3703	0.3767	0.3850	Ave		0.3887				6.2		20.0			
Toluene-d8 (Surr)	1.3410 1.4028	1.3771 1.3310	1.3691	1.3621	1.3479	Ave		1.3616				1.8		20.0			
4-Bromofluorobenzene	0.5757 0.5924	0.5964 0.5488	0.5843	0.6044	0.5692	Ave		0.5816				3.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-425448/3	F44755.D
Level 2	STD1 460-425448/17	F44769.D
Level 3	STD5 460-425448/5	F44757.D
Level 4	STD20 460-425448/6	F44758.D
Level 5	STD50 460-425448/7	F44759.D
Level 6	STD200 460-425448/8	F44760.D
Level 7	STD500 460-425448/9	F44761.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	+++++ 178816	1095 428951	4696	16357	43577	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 1205010	5274 2974504	24397	113952	300530	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 1334746	5988 3296899	27843	116816	318103	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	+++++ 1011619	3752 2481182	22033	89302	247880	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 1343057	5893 3289189	27307	122524	326292	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	+++++ 833264	3663 2154756	16340	75660	193109	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 691396	3542 1707985	13701	62056	164263	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 1696645	6479 4074139	37007	157849	422218	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 1348916	4479 3394091	31078	131630	341587	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	FB	Ave	+++++ 253544	1314 645031	5557	24181	61371	+++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd9	Qua2	+++++ 141459	1586 352526	3359	13161	31647	+++++ 8000	40.0 20000	200	800	2000
Ethyl ether	FB	Ave	+++++ 541375	3243 1307937	11697	48220	131658	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 700632	3180 1725917	14515	62505	154770	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 602897	3295 1465540	14244	53061	142030	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	Ave	+++++ 80437	1726 153872	7167	16682	36796	+++++ 200	4.00 400	20.0	40.0	100

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 763962	4438 1842253	16640	69259	180843	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 691708	3372 1680394	15565	63232	163160	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Qua2	+++++ 810502	5433 1992060	20169	72024	195417	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	+++++ 1368332	6502 3218111	30423	124381	324932	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 396823	2353 964066	9352	34627	90732	+++++ 2000	10.0 5000	50.0	200	500
Carbon disulfide	FB	Ave	+++++ 2686524	13047 5944100	62182	243134	645662	+++++ 200	1.00 500	5.00	20.0	50.0
Allyl chloride	FB	Ave	+++++ 1705594	7880 4001732	35957	155143	400094	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	+++++ 2155408	7912 4946378	46860	199718	511452	+++++ 1000	5.00 2500	25.0	100	250
Cyclopentene	FB	Ave	+++++ 1846329	7466 4375780	38715	156807	421150	+++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	FB	Ave	+++++ 945616	3595 2270167	21226	90236	223945	+++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	+++++ 786281	4753 1882053	18031	75150	191731	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 635411	3227 1570003	13111	52312	136516	+++++ 2000	10.0 5000	50.0	200	500
Methyl tert-butyl ether	FB	Ave	+++++ 2126208	10159 5067786	44837	196594	505804	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 747261	4038 1776385	18164	68884	183323	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	1900 2122657	9700 4934085	45121	194399	504225	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	+++++ 758040	3058 1731180	16353	71312	186955	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	+++++ 2723061	11371 6358508	59230	247459	655132	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1435472	5975 3373677	31107	127084	337882	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	TBAd9	Ave	+++++ 232790	1213 574492	5477	20460	53792	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	+++++ 680492	2473 1652170	13978	58340	153949	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 2511184	8362 5934252	55303	222743	592050	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,2-Dichloropropane	FB	Ave	+++++ 294512	1119 718143	7519	25213	68461	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 859862	4458 2077700	18167	74567	204129	+++++ 200	1.00 500	5.00	20.0	50.0
2-Butanone (MEK)	BUT	Lin2	+++++ 323550	2731 796220	7457	27096	77401	+++++ 1000	5.00 2500	25.0	100	250
Ethyl acetate	BUT	Ave	+++++ 118550	614 298240	2933	10860	28409	+++++ 400	2.00 1000	10.0	40.0	100
Methyl acrylate	CBNZ d5	Ave	+++++ 498756	2228 1228022	10002	46143	110570	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd 9	Ave	+++++ 811958	3744 1979284	17674	72026	191068	+++++ 2000	10.0 5000	50.0	200	500
Chlorobromomethane	FB	Ave	+++++ 397702	2212 982324	9449	37108	94408	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Lin2	+++++ 140078	1328 351409	3512	13893	31731	+++++ 400	2.00 1000	10.0	40.0	100
Methacrylonitrile	FB	Ave	+++++ 2348056	9684 5544821	49757	214010	543789	+++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	+++++ 1372888	6109 3248231	29754	123137	319414	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 1266637	5636 3032112	25821	115432	285200	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 1324282	6690 3178862	29591	116370	306422	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 1162572	5066 2801902	25601	99357	272293	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 1052149	5069 2470846	23689	91072	238310	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd 9	Ave	+++++ 801021	3006 1943097	16730	62955	180137	+++++ 5000	25.0 12500	125	500	1250
Benzene	CBNZ d5	Ave	+++++ 2937406	14266 6567405	67063	262755	703439	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 2136390	9183 5071314	44702	191247	507765	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	+++++ 2308494	10799 5556422	49806	202506	531422	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 1064039	5067 2554212	22769	94695	251779	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 605501	2550 1383008	14667	55997	150854	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd 9	Ave	+++++ 467726	1818 1187979	9121	39165	105101	+++++ 5000	25.0 12500	125	500	1250

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Trichloroethene	FB	Ave	+++++ 768156	3669 1869732	15925	66851	174914	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	+++++ 1951459	7504 4661344	41668	172974	463057	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 1448392	5867 3460666	29101	130473	339831	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 822007	3663 2020286	17594	74125	191053	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 333911	1546 858446	6552	28810	74509	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	QuaF	+++++ 140448	2104 349401	3440	13943	32412	+++++ 4000	50.0 10000	100	400	1000
n-Propyl acetate	FB	Ave	+++++ 934766	3578 2351150	19941	79952	212536	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromomethane	FB	Ave	+++++ 444447	2166 1145220	9310	38955	101239	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	+++++ 1055217	4672 2598903	22807	91286	242966	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 434170	2266 1117358	8393	36954	96775	+++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	FB	Ave	+++++ 387673	2043 997896	10102	34588	90165	+++++ 400	2.00 1000	10.0	40.0	100
Epichlorohydrin	BUT	Ave	1464 1198272	6023 2988053	25687	104877	273268	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1291659	5627 3237441	26271	110011	301648	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 3455387	14202 7635032	70472	298248	789293	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZ d5	Ave	+++++ 3170770	14530 7095246	66791	276408	757273	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1176610	4961 2911424	22381	101641	275201	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	CBNZ d5	Ave	+++++ 923930	4327 2314171	17972	79336	207884	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 542855	2589 1400775	11518	46412	126555	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 916390	3418 2240886	19189	79370	212761	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 1101717	4502 2743512	20953	96496	259170	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	+++++ 2304243	8142 5490705	45363	192280	537244	+++++ 1000	5.00 2500	25.0	100	250

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Butyl acetate	CBNZ d5	Ave	+++++ 1147954	4860 2915468	21983	98941	263309	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	+++++ 836986	3285 2098968	17108	69338	186338	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 629427	2700 1593621	12854	54253	145631	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 2295710	9944 5456649	48952	200252	541111	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 1279455	6182 3204397	26211	108551	295147	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 974221	4038 2472029	20290	82753	219647	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 1606564	7619 3895808	35134	139495	371032	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Ave	+++++ 676318	2282 1767739	12152	55986	155737	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 1707941	8382 4116962	34747	146769	394036	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	+++++ 2746800	12053 6060577	58428	244382	667346	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++ 1849248	5951 4297761	35129	156521	419730	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 665671	2671 1673731	14051	56776	151702	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 4128858	19278 +++++	94681	388510	1049597	+++++ 200	1.00 +++++	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 1213106	5773 2963078	25692	109454	290223	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 974463	4872 2352685	21376	87632	229717	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 4578208	22756 +++++	113358	466235	1246807	+++++ 200	1.00 +++++	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 282157	1581 706651	6670	25329	64094	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 317412	1002 808945	6885	27825	72027	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 3499620	17283 6747246	76766	328687	873144	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 4148586	15248 7697928	90528	401382	1056318	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 3704206	18224 +++++	84191	356787	943485	+++++ 200	1.00 +++++	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Chlorotoluene	DCBd 4	Ave	+++++ 3120028	15227 6197714	72725	298699	798532	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	Ave	+++++ 1455881	5750 3416875	29382	126534	348622	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 3264788	14160 6224704	69862	298159	815573	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 3751489	19226 +++++	87800	378962	997700	+++++ 200	1.00 +++++	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 4432521	20183 +++++	109018	467361	1221058	+++++ 200	1.00 +++++	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 4087217	18593 +++++	101588	418965	1092726	+++++ 200	1.00 +++++	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 2431058	11452 5030349	52861	226664	585707	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 2400791	12942 5023508	56136	228654	601172	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 3834660	14552 +++++	93030	402596	1049137	+++++ 200	1.00 +++++	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Ave	+++++ 2124723	9386 4424003	48411	211632	520045	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++ 3762365	15903 +++++	88480	392386	1005428	+++++ 200	1.00 +++++	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 2553541	9691 5222965	54605	239992	635001	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 2255055	9899 4616271	54495	216911	562191	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 2246700	10480 4658270	52844	216771	561393	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 3822452	14204 +++++	91793	407465	1030509	+++++ 200	1.00 +++++	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 193617	860 477690	4293	16087	47021	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 1943898	7715 4135317	39991	182823	470404	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 1839084	8212 4049324	39492	169644	442064	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 932372	3898 2139558	22274	85489	225731	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 3212442	15502 6255550	70275	295892	793221	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 1749491	7415 3885821	40091	150450	425214	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 425448

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2017 03:09 Calibration End Date: 03/21/2017 11:24 Calibration ID: 61483

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dibromofluoromethane (Surr)	FB	Ave	130082 150840	138632 154540	135653	139981	144896	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	161736 198870	172238 227929	172960	174689	183590	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	499303 611470	533649 656881	547302	547336	566381	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	214357 258202	231097 270829	233574	242878	239192	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44755.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 21-Mar-2017 03:09:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0052699-003
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Mar-2017 16:59:50 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: kluseys Date: 21-Mar-2017 09:12:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	46	3.226	3.234	-0.008	96	54783	1000.0	1000.0	
31 Acrylonitrile	53	3.489	3.497	-0.009	62	1900	2.00	2.12	M
* 38 2-Butanone-d5	46	4.294	4.302	-0.008	78	108777	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	96	130082	50.0	50.0	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	98	161736	50.0	48.0	
* 61 Fluorobenzene	96	5.395	5.395	0.000	98	433881	50.0	50.0	
* 67 1,4-Dioxane-d8	96	6.093	6.093	0.000	92	17491	1000.0	1000.0	
75 Epichlorohydrin	57	6.767	6.767	0.000	63	1464	5.00	6.18	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	499303	50.0	49.2	
* 89 Chlorobenzene-d5	117	8.862	8.863	0.000	87	372336	50.0	50.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	95	214357	50.0	49.5	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	96	264354	50.0	50.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

14DIOXINTER_00067	Amount Added:	0.00	Units: uL	
MIX I Hi_00071	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00031	Amount Added:	2.00	Units: uL	
GAS Hi_00189	Amount Added:	0.00	Units: uL	
ACROLEIN W_00062	Amount Added:	0.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

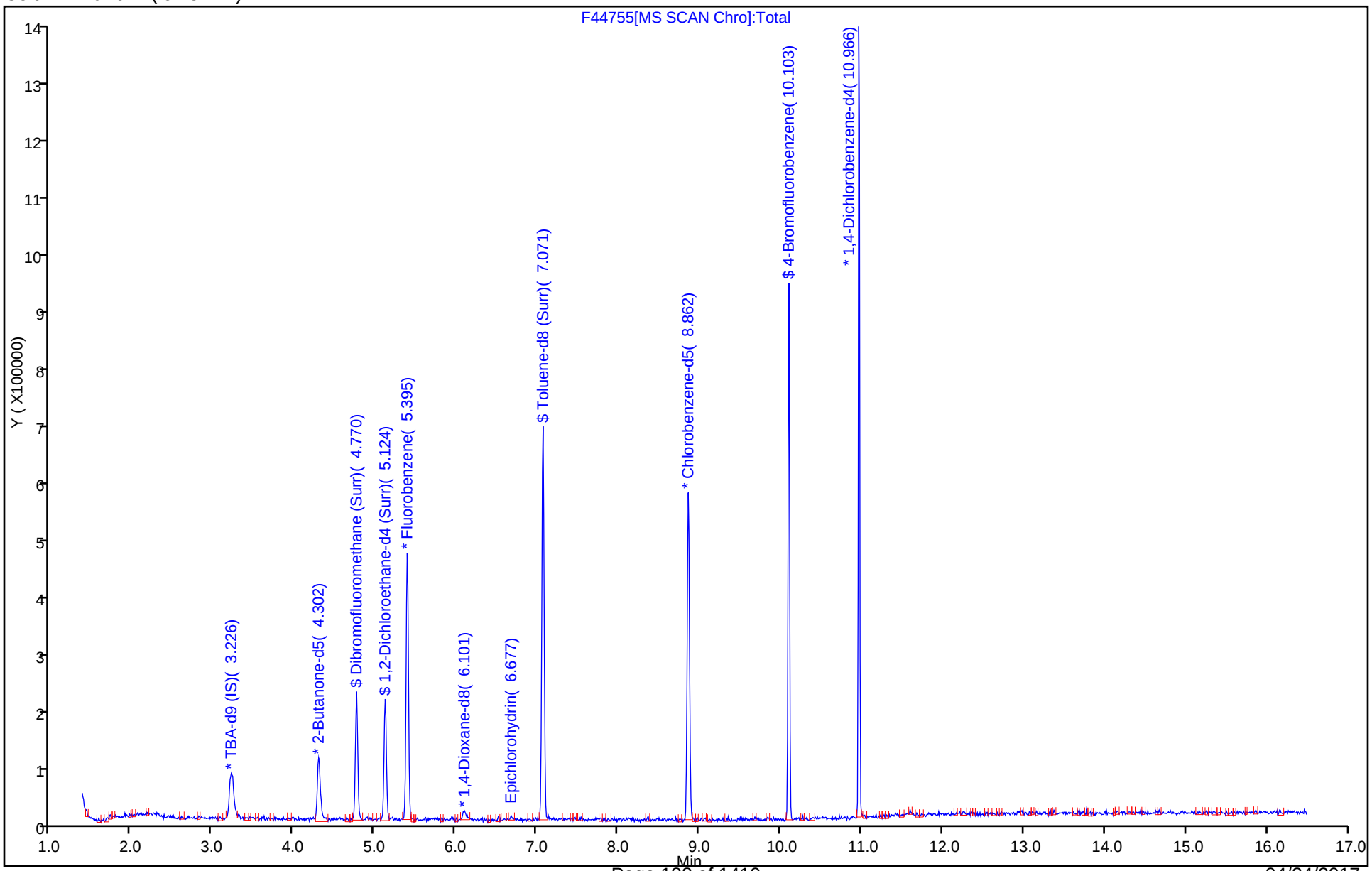
Report Date: 24-Mar-2017 17:00:16 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44755.D

Injection Date:	21-Mar-2017 03:09:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	STD7			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

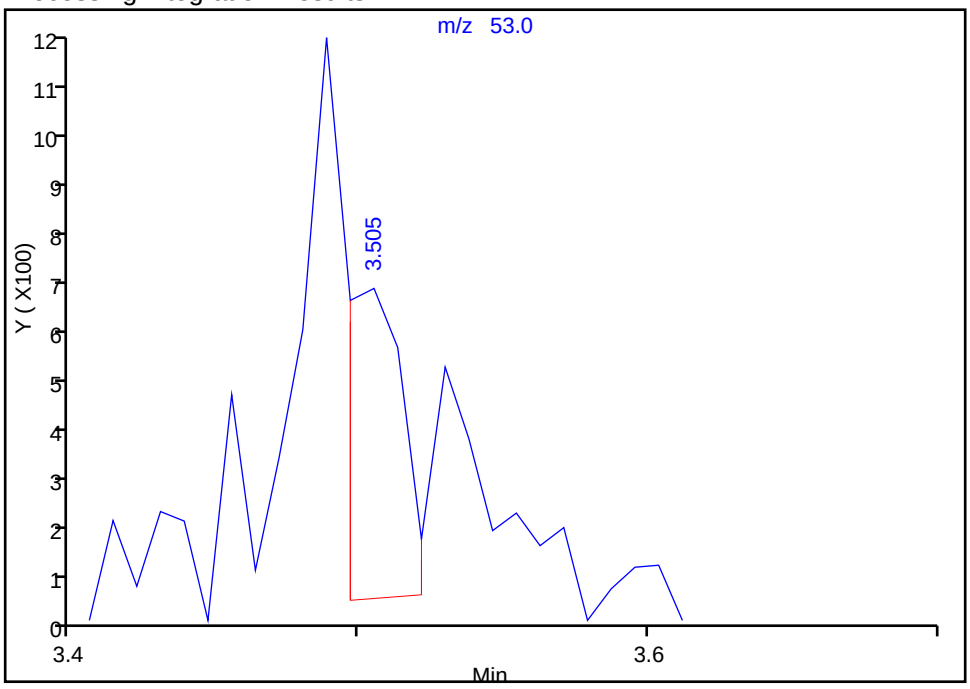
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44755.D
Injection Date: 21-Mar-2017 03:09:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

31 Acrylonitrile, CAS: 107-13-1

Signal: 1

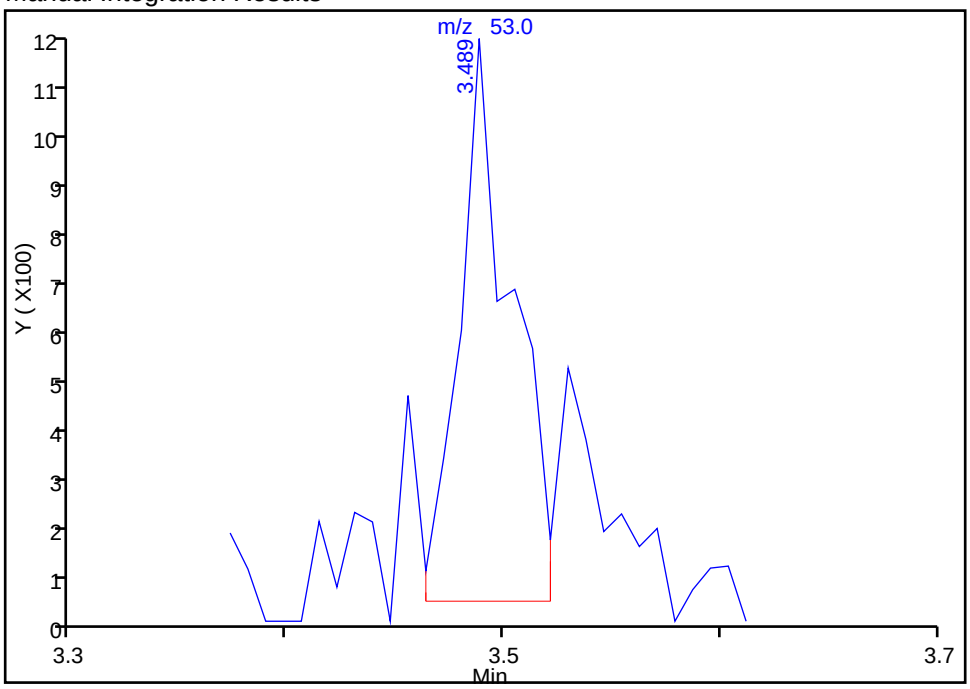
Processing Integration Results

RT: 3.50
Area: 899
Amount: 0.920437
Amount Units: ug/l



Manual Integration Results

RT: 3.49
Area: 1900
Amount: 2.115165
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 16:59:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44757.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Mar-2017 03:55:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0052699-005
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Mar-2017 16:59:29 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: kluseys Date: 21-Mar-2017 09:55:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.533	1.533	0.000	55	4696	5.00	5.27	
2 Dichlorodifluoromethane	85	1.566	1.566	0.000	96	24397	5.00	4.45	
3 Chloromethane	50	1.706	1.714	-0.008	98	27843	5.00	4.64	
5 Butadiene	54	1.804	1.829	-0.025	87	22033	5.00	4.93	
4 Vinyl chloride	62	1.812	1.829	-0.017	97	27307	5.00	4.52	
6 Bromomethane	94	2.092	2.108	-0.016	96	16340	5.00	4.38	
7 Chloroethane	64	2.174	2.182	-0.008	96	13701	5.00	4.32	
8 Dichlorofluoromethane	67	2.346	2.355	-0.009	96	37007	5.00	4.88	
9 Trichlorofluoromethane	101	2.363	2.363	0.000	77	31078	5.00	5.10	
10 Pentane	72	2.388	2.396	-0.008	97	5557	10.0	9.23	
11 Ethanol	46	2.552	2.568	-0.016	77	3359	200.0	168.5	
12 Ethyl ether	59	2.585	2.585	0.000	94	11697	5.00	4.51	
13 2-Methyl-1,3-butadiene	53	2.601	2.618	-0.017	97	14515	5.00	4.65	
14 1,2-Dichloro-1,1,2-trifluo	117	2.634	2.642	-0.008	81	14244	5.00	4.98	
15 Acrolein	56	2.757	2.757	0.000	50	7167	20.0	18.1	
16 1,1,2-Trichloro-1,2,2-trif	101	2.774	2.774	0.000	64	16640	5.00	4.58	
17 1,1-Dichloroethene	96	2.790	2.798	-0.008	95	15565	5.00	4.86	
18 Acetone	43	2.872	2.881	-0.009	85	20169	25.0	24.3	
19 Iodomethane	142	2.938	2.946	-0.008	99	30423	5.00	4.86	
20 Isopropyl alcohol	45	2.963	2.971	-0.008	36	9352	50.0	47.8	
21 Carbon disulfide	76	2.971	2.987	-0.016	99	62182	5.00	5.04	
22 3-Chloro-1-propene	41	3.102	3.111	-0.009	87	35957	5.00	4.68	
24 Methyl acetate	43	3.111	3.119	-0.008	97	46860	25.0	24.9	
23 Cyclopentene	67	3.127	3.127	0.000	89	38715	5.00	4.83	
25 Acetonitrile	41	3.168	3.176	-0.008	100	21226	50.0	50.2	
27 Methylene Chloride	84	3.226	3.234	-0.008	70	18031	5.00	4.68	
* 26 TBA-d9 (IS)	46	3.217	3.234	-0.017	95	61587	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.300	3.300	0.000	17	13111	50.0	44.7	
29 Methyl tert-butyl ether	73	3.390	3.398	-0.008	97	44837	5.00	4.62	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	95	18164	5.00	5.06	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.489	3.497	-0.008	96	45121	50.0	46.7	
32 Hexane	43	3.571	3.571	0.000	95	16353	5.00	4.83	
33 Isopropyl ether	45	3.776	3.784	-0.008	96	59230	5.00	4.87	
34 1,1-Dichloroethane	63	3.817	3.826	-0.009	97	31107	5.00	4.89	
35 Vinyl acetate	86	3.826	3.834	-0.008	92	5477	10.0	9.74	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	94	13978	5.00	4.81	
37 Tert-butyl ethyl ether	59	4.088	4.105	-0.017	89	55303	5.00	5.11	
* 38 2-Butanone-d5	46	4.294	4.302	-0.008	85	130077	250.0	250.0	
39 2,2-Dichloropropane	97	4.319	4.327	-0.008	76	7519	5.00	5.69	
40 cis-1,2-Dichloroethene	96	4.335	4.343	-0.008	88	18167	5.00	4.59	
41 2-Butanone (MEK)	72	4.343	4.351	-0.008	95	7457	25.0	21.7	
42 Ethyl acetate	70	4.335	4.360	-0.025	31	2933	10.0	10.4	M
43 Methyl acrylate	55	4.401	4.409	-0.008	97	10002	5.00	4.63	
44 Propionitrile	54	4.483	4.491	-0.008	99	17674	50.0	46.5	
45 Chlorobromomethane	128	4.557	4.565	-0.008	86	9449	5.00	4.93	
46 Tetrahydrofuran	72	4.557	4.573	-0.016	65	3512	10.0	8.85	
47 Methacrylonitrile	67	4.581	4.590	-0.009	95	49757	50.0	47.9	
48 Chloroform	83	4.606	4.614	-0.008	97	29754	5.00	4.83	
49 Cyclohexane	84	4.754	4.746	0.008	94	25821	5.00	4.59	
50 1,1,1-Trichloroethane	97	4.762	4.762	0.000	76	29591	5.00	4.86	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	96	135653	50.0	48.4	
52 Carbon tetrachloride	117	4.877	4.877	0.000	96	25601	5.00	4.93	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	93	23689	5.00	4.98	
54 Isobutyl alcohol	43	5.025	5.025	0.000	81	16730	125.0	119.2	
55 Benzene	78	5.107	5.116	-0.009	93	67063	5.00	5.11	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	97	172960	50.0	47.6	
57 Isopropyl acetate	43	5.165	5.165	0.000	88	44702	5.00	4.70	
58 Tert-amyl methyl ether	73	5.165	5.173	-0.008	92	49806	5.00	4.78	
59 1,2-Dichloroethane	62	5.198	5.206	-0.008	94	22769	5.00	4.71	
60 n-Heptane	57	5.255	5.264	-0.009	97	14667	5.00	5.29	
* 61 Fluorobenzene	96	5.395	5.395	0.000	98	467029	50.0	50.0	
62 n-Butanol	56	5.683	5.691	-0.008	88	9121	125.0	109.8	
63 Trichloroethene	95	5.748	5.748	0.000	95	15925	5.00	4.62	
65 Ethyl acrylate	55	5.872	5.872	0.000	93	41668	5.00	4.87	
64 Methylcyclohexane	83	5.872	5.880	-0.008	84	29101	5.00	4.59	
66 1,2-Dichloropropane	63	6.036	6.044	-0.008	88	17594	5.00	4.75	
* 67 1,4-Dioxane-d8	96	6.093	6.093	0.000	88	20375	1000.0	1000.0	
68 Methyl methacrylate	100	6.110	6.118	-0.008	97	6552	10.0	8.82	
69 1,4-Dioxane	88	6.167	6.151	0.016	26	3440	100.0	128.1	M
70 n-Propyl acetate	43	6.167	6.167	0.000	99	19941	5.00	4.89	
71 Dibromomethane	93	6.159	6.176	-0.017	67	9310	5.00	4.59	
72 Dichlorobromomethane	83	6.315	6.323	-0.008	98	22807	5.00	4.83	
73 2-Nitropropane	41	6.660	6.660	0.000	79	10102	10.0	10.8	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	66	8393	5.00	4.27	
75 Epichlorohydrin	57	6.759	6.767	-0.008	98	25687	100.0	90.6	
76 cis-1,3-Dichloropropene	75	6.816	6.816	0.000	95	26271	5.00	4.71	
77 4-Methyl-2-pentanone (MIBK	43	6.981	6.989	-0.008	99	70472	25.0	24.0	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	547302	50.0	50.3	
79 Toluene	91	7.145	7.145	0.000	94	66791	5.00	4.86	
80 trans-1,3-Dichloropropene	75	7.499	7.499	0.000	97	22381	5.00	4.48	
81 Ethyl methacrylate	69	7.523	7.523	0.000	94	17972	5.00	4.50	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	90	11518	5.00	4.78	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.753	7.761	-0.008	95	19189	5.00	4.96	
84 1,3-Dichloropropane	76	7.918	7.926	-0.008	95	20953	5.00	4.48	
85 2-Hexanone	43	7.992	7.992	0.000	98	45363	25.0	23.6	
86 n-Butyl acetate	43	8.098	8.098	0.000	97	21983	5.00	4.50	
87 Chlorodibromomethane	129	8.156	8.156	0.000	94	17108	5.00	4.88	
88 Ethylene Dibromide	107	8.312	8.312	0.000	96	12854	5.00	4.73	
* 89 Chlorobenzene-d5	117	8.863	8.863	0.000	87	399751	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	93	48952	5.00	4.92	
91 Ethylbenzene	106	9.002	9.002	0.000	99	26211	5.00	4.67	
92 1,1,1,2-Tetrachloroethane	131	9.027	9.019	0.008	89	20290	5.00	4.87	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	96	35134	5.00	4.95	
94 n-Butyl acrylate	73	9.577	9.577	0.000	97	12152	5.00	4.42	
95 o-Xylene	106	9.586	9.594	-0.008	94	34747	5.00	4.64	
96 Styrene	104	9.618	9.618	0.000	96	58428	5.00	4.91	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	90	35129	5.00	4.59	
98 Bromoform	173	9.816	9.816	0.000	94	14051	5.00	4.95	
99 Isopropylbenzene	105	9.931	9.931	0.000	96	94681	5.00	4.88	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	95	233574	50.0	50.2	
101 Bromobenzene	156	10.218	10.218	0.000	93	25692	5.00	4.60	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	97	21376	5.00	4.72	
103 N-Propylbenzene	91	10.276	10.276	0.000	99	113358	5.00	4.85	
104 1,2,3-Trichloropropane	110	10.300	10.300	0.000	94	6670	5.00	4.92	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	78	6885	5.00	5.03	
106 2-Chlorotoluene	91	10.366	10.366	0.000	98	76766	5.00	4.80	
107 4-Ethyltoluene	105	10.374	10.374	0.000	98	90528	5.00	4.99	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	95	84191	5.00	4.65	
109 4-Chlorotoluene	91	10.457	10.457	0.000	98	72725	5.00	5.00	
110 Butyl Methacrylate	87	10.506	10.506	0.000	97	29382	5.00	4.61	
111 tert-Butylbenzene	119	10.662	10.662	0.000	93	69862	5.00	4.84	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	97	87800	5.00	4.64	
113 sec-Butylbenzene	105	10.818	10.818	0.000	98	109018	5.00	4.86	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	98	101588	5.00	4.96	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	94	52861	5.00	4.79	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	95	292034	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.982	10.982	0.000	96	56136	5.00	4.91	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	93030	5.00	4.97	
118 Benzyl chloride	91	11.089	11.089	0.000	97	48411	5.00	4.96	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	93	88480	5.00	4.79	
120 p-Diethylbenzene	119	11.171	11.163	0.008	95	54605	5.00	4.87	
121 n-Butylbenzene	92	11.180	11.180	0.000	98	54495	5.00	5.25	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	96	52844	5.00	5.06	
123 1,2,4,5-Tetramethylbenzene	119	11.648	11.640	0.008	98	91793	5.00	4.95	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.722	0.000	97	4293	5.00	4.88	
125 1,3,5-Trichlorobenzene	180	11.812	11.804	0.008	96	39991	5.00	4.68	
126 1,2,4-Trichlorobenzene	180	12.215	12.215	0.000	94	39492	5.00	4.76	
127 Hexachlorobutadiene	225	12.281	12.281	0.000	95	22274	5.00	5.23	
128 Naphthalene	128	12.388	12.388	0.000	99	70275	5.00	4.82	
129 1,2,3-Trichlorobenzene	180	12.560	12.552	0.008	96	40091	5.00	5.11	
S 130 1,2-Dichloroethene, Total	100				0		10.0	9.66	
S 131 Xylenes, Total	100				0		10.0	9.60	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00062	Amount Added:	4.00	Units: uL	
GAS Hi_00189	Amount Added:	1.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	1.00	Units: uL	
MIX I Hi_00071	Amount Added:	1.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Mar-2017 16:59:31 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44757.D

Injection Date: 21-Mar-2017 03:55:30 Instrument ID: CVOAMS6 Operator ID:

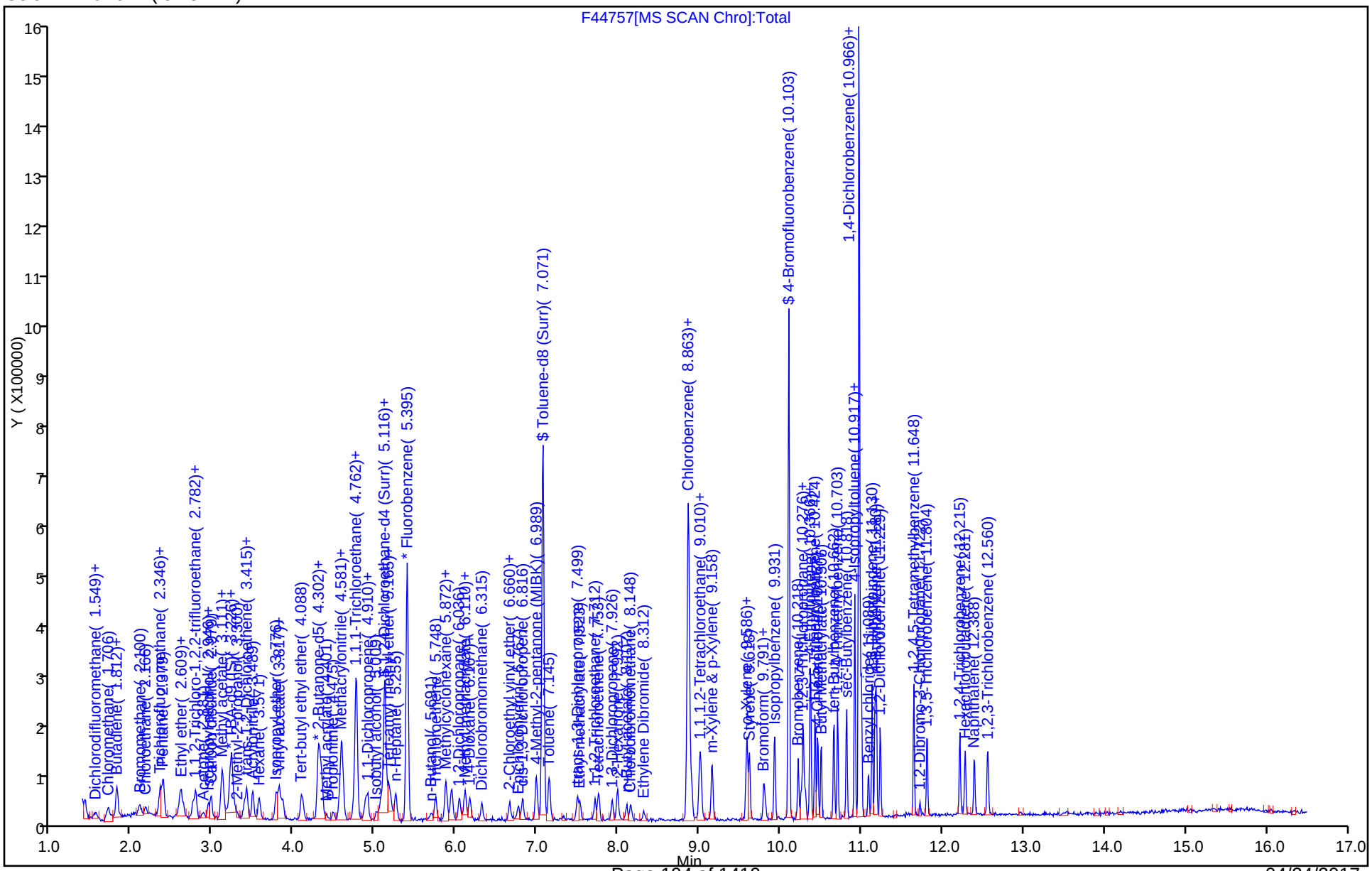
Lims ID: STD5 Worklist Smp#: 5

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

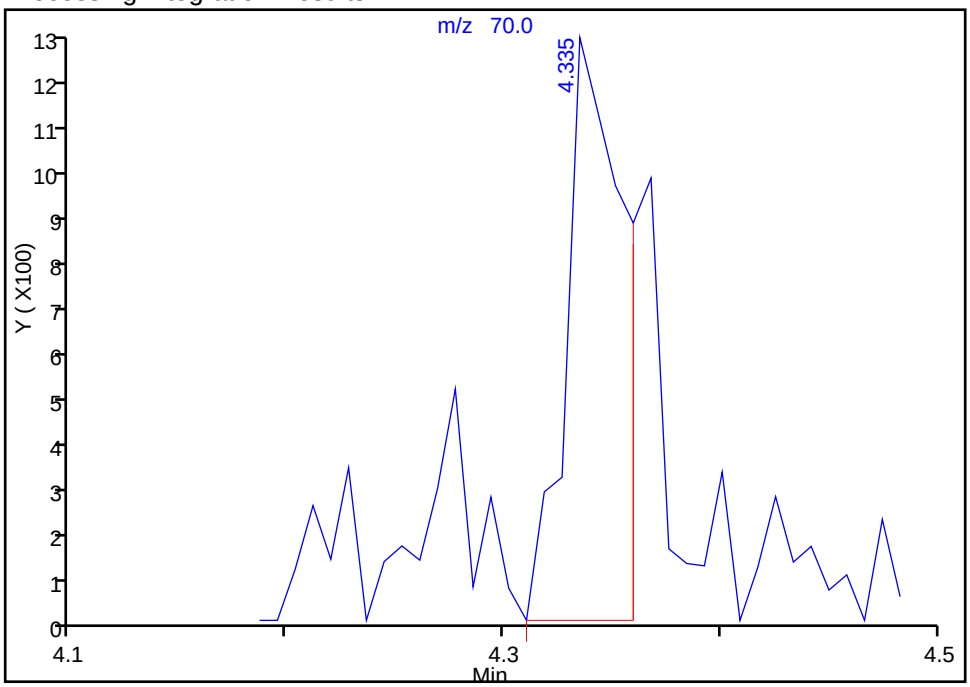
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Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

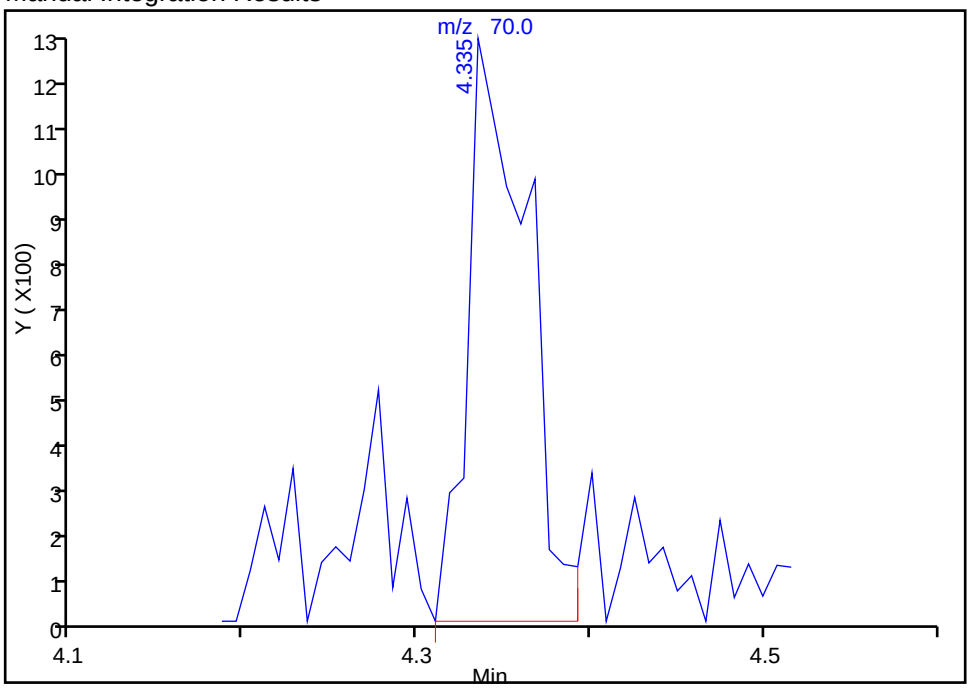
Processing Integration Results

RT: 4.33
Area: 2283
Amount: 8.878843
Amount Units: ug/l



Manual Integration Results

RT: 4.33
Area: 2933
Amount: 10.389134
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 16:59:28
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

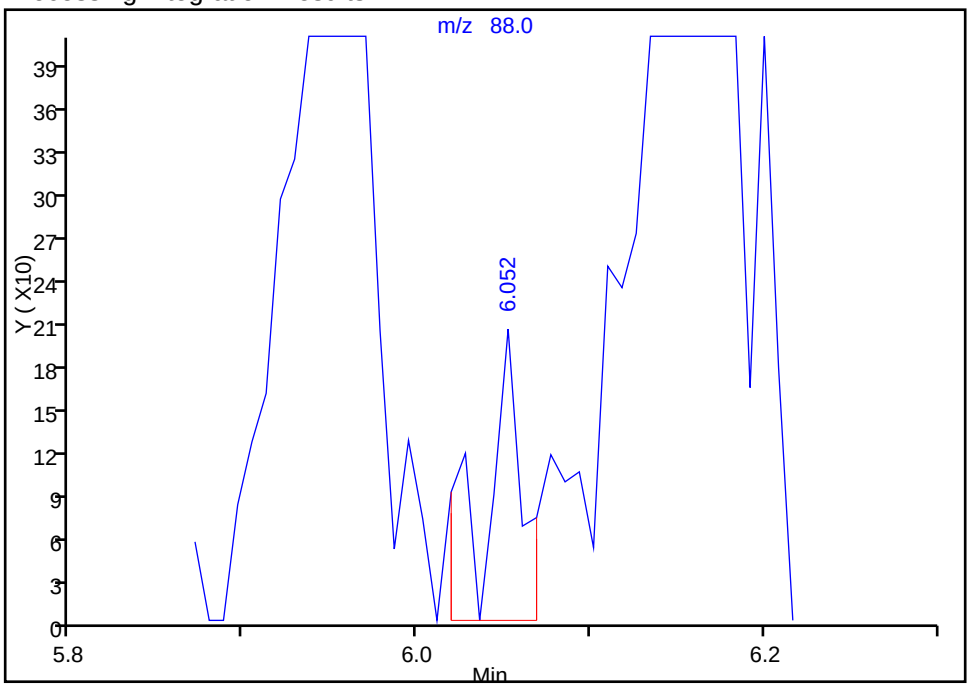
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Injection Date: 21-Mar-2017 03:55:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

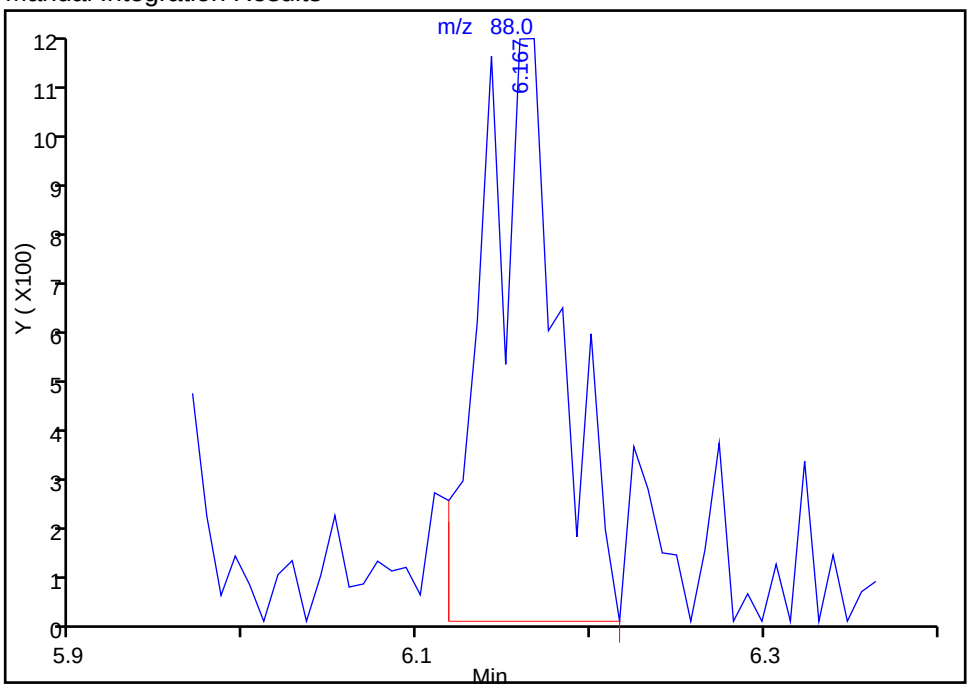
Processing Integration Results

RT: 6.05
Area: 314
Amount: 12.974022
Amount Units: ug/l



Manual Integration Results

RT: 6.17
Area: 3440
Amount: 128.0951
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 16:59:28
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

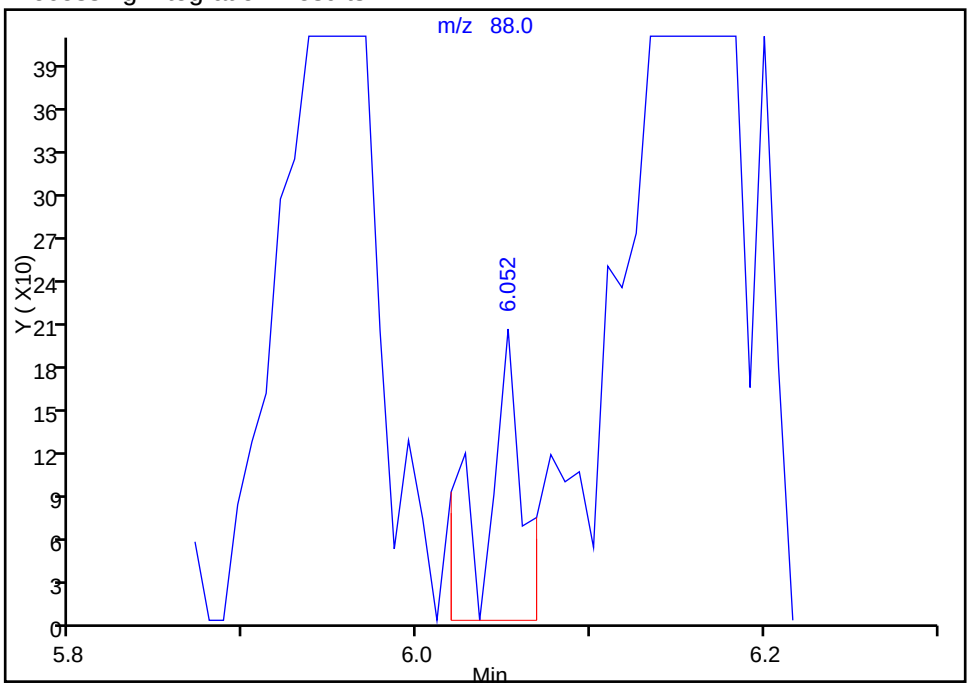
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Injection Date: 21-Mar-2017 03:55:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

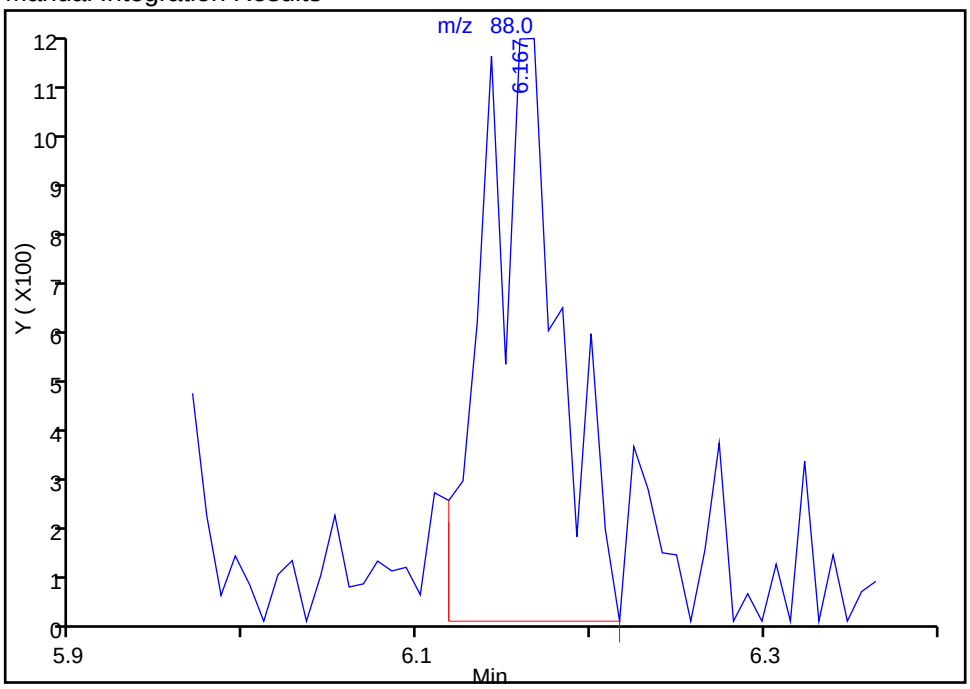
Processing Integration Results

RT: 6.05
Area: 314
Amount: 12.974022
Amount Units: ug/l



Manual Integration Results

RT: 6.17
Area: 3440
Amount: 128.0951
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 16:59:28
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44758.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 21-Mar-2017 04:18:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0052699-006
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Mar-2017 16:59:33 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: kluseys Date: 21-Mar-2017 16:40:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.533	1.533	0.000	90	16357	20.0	18.5	
2 Dichlorodifluoromethane	85	1.566	1.566	0.000	98	113952	20.0	20.9	
3 Chloromethane	50	1.714	1.714	0.000	99	116816	20.0	19.6	
4 Vinyl chloride	62	1.829	1.829	0.000	98	122524	20.0	20.4	
5 Butadiene	54	1.829	1.829	0.000	84	89302	20.0	20.1	
6 Bromomethane	94	2.108	2.108	0.000	99	75660	20.0	20.4	
7 Chloroethane	64	2.182	2.182	0.000	99	62056	20.0	19.7	
8 Dichlorofluoromethane	67	2.355	2.355	0.000	98	157849	20.0	20.9	
9 Trichlorofluoromethane	101	2.363	2.363	0.000	97	131630	20.0	21.8	
10 Pentane	72	2.396	2.396	0.000	97	24181	40.0	40.4	
11 Ethanol	46	2.568	2.568	0.000	89	13161	800.0	880.4	
12 Ethyl ether	59	2.585	2.585	0.000	92	48220	20.0	18.7	
13 2-Methyl-1,3-butadiene	53	2.618	2.618	0.000	97	62505	20.0	20.2	
14 1,2-Dichloro-1,1,2-trifluo	117	2.642	2.642	0.000	96	53061	20.0	18.7	
15 Acrolein	56	2.757	2.757	0.000	51	16682	40.0	42.1	
16 1,1,2-Trichloro-1,2,2-trif	101	2.774	2.774	0.000	97	69259	20.0	19.2	
17 1,1-Dichloroethene	96	2.798	2.798	0.000	98	63232	20.0	19.9	
18 Acetone	43	2.881	2.881	0.000	87	72024	100.0	96.3	
19 Iodomethane	142	2.946	2.946	0.000	98	124381	20.0	20.0	
20 Isopropyl alcohol	45	2.971	2.971	0.000	38	34627	200.0	176.6	
21 Carbon disulfide	76	2.987	2.987	0.000	100	243134	20.0	19.9	
22 3-Chloro-1-propene	41	3.111	3.111	0.000	96	155143	20.0	20.3	
24 Methyl acetate	43	3.119	3.119	0.000	99	199718	100.0	106.7	
23 Cyclopentene	67	3.127	3.127	0.000	95	156807	20.0	19.7	
25 Acetonitrile	41	3.176	3.176	0.000	95	90236	200.0	214.9	
* 26 TBA-d9 (IS)	46	3.234	3.234	0.000	90	61725	1000.0	1000.0	
27 Methylene Chloride	84	3.234	3.234	0.000	98	75150	20.0	19.7	
28 2-Methyl-2-propanol	59	3.300	3.300	0.000	99	52312	200.0	178.0	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	97	196594	20.0	20.4	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	98	68884	20.0	19.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.497	3.497	0.000	92	194399	200.0	202.5	
32 Hexane	43	3.571	3.571	0.000	94	71312	20.0	21.2	
33 Isopropyl ether	45	3.784	3.784	0.000	95	247459	20.0	20.5	
34 1,1-Dichloroethane	63	3.826	3.826	0.000	98	127084	20.0	20.1	
35 Vinyl acetate	86	3.834	3.834	0.000	96	20460	40.0	36.3	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	93	58340	20.0	20.2	
37 Tert-butyl ethyl ether	59	4.105	4.105	0.000	90	222743	20.0	20.7	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	91	128418	250.0	250.0	
39 2,2-Dichloropropane	97	4.327	4.327	0.000	95	25213	20.0	19.2	
40 cis-1,2-Dichloroethene	96	4.343	4.343	0.000	94	74567	20.0	19.0	
41 2-Butanone (MEK)	72	4.351	4.351	0.000	95	27096	100.0	96.2	
42 Ethyl acetate	70	4.360	4.360	0.000	95	10860	40.0	39.0	
43 Methyl acrylate	55	4.409	4.409	0.000	99	46143	20.0	21.2	
44 Propionitrile	54	4.491	4.491	0.000	98	72026	200.0	189.1	
45 Chlorobromomethane	128	4.565	4.565	0.000	91	37108	20.0	19.5	
46 Tetrahydrofuran	72	4.573	4.573	0.000	57	13893	40.0	44.0	
47 Methacrylonitrile	67	4.590	4.590	0.000	96	214010	200.0	207.6	
48 Chloroform	83	4.614	4.614	0.000	98	123137	20.0	20.1	
49 Cyclohexane	84	4.746	4.746	0.000	94	115432	20.0	20.7	
50 1,1,1-Trichloroethane	97	4.762	4.762	0.000	98	116370	20.0	19.2	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	97	139981	50.0	50.3	
52 Carbon tetrachloride	117	4.877	4.877	0.000	97	99357	20.0	19.3	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	94	91072	20.0	19.3	
54 Isobutyl alcohol	43	5.025	5.025	0.000	96	62955	500.0	447.6	
55 Benzene	78	5.116	5.116	0.000	97	262755	20.0	19.9	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	97	174689	50.0	48.5	
57 Isopropyl acetate	43	5.165	5.165	0.000	95	191247	20.0	20.3	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	93	202506	20.0	19.6	
59 1,2-Dichloroethane	62	5.206	5.206	0.000	96	94695	20.0	19.7	
60 n-Heptane	57	5.264	5.264	0.000	96	55997	20.0	20.3	
* 61 Fluorobenzene	96	5.395	5.395	0.000	98	463763	50.0	50.0	
62 n-Butanol	56	5.691	5.691	0.000	93	39165	500.0	470.2	
63 Trichloroethene	95	5.748	5.748	0.000	98	66851	20.0	19.5	
65 Ethyl acrylate	55	5.872	5.872	0.000	93	172974	20.0	20.4	
64 Methylcyclohexane	83	5.880	5.880	0.000	86	130473	20.0	20.7	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	87	74125	20.0	20.1	
* 67 1,4-Dioxane-d8	96	6.093	6.093	0.000	64	23618	1000.0	1000.0	
68 Methyl methacrylate	100	6.118	6.118	0.000	95	28810	40.0	39.1	
69 1,4-Dioxane	88	6.151	6.151	0.000	89	13943	400.0	455.7	
70 n-Propyl acetate	43	6.167	6.167	0.000	99	79952	20.0	19.8	
71 Dibromomethane	93	6.176	6.176	0.000	68	38955	20.0	19.3	
72 Dichlorobromomethane	83	6.323	6.323	0.000	98	91286	20.0	19.5	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	70	36954	20.0	18.9	
73 2-Nitropropane	41	6.660	6.660	0.000	79	34588	40.0	37.2	
75 Epichlorohydrin	57	6.767	6.767	0.000	100	104877	400.0	374.7	
76 cis-1,3-Dichloropropene	75	6.816	6.816	0.000	97	110011	20.0	19.6	
77 4-Methyl-2-pentanone (MIBK	43	6.989	6.989	0.000	98	298248	100.0	102.7	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	547336	50.0	50.0	
79 Toluene	91	7.145	7.145	0.000	93	276408	20.0	20.0	
80 trans-1,3-Dichloropropene	75	7.499	7.499	0.000	94	101641	20.0	20.2	
81 Ethyl methacrylate	69	7.523	7.523	0.000	92	79336	20.0	19.8	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	92	46412	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
83 Tetrachloroethene	166	7.761	7.761	0.000	96	79370	20.0	20.4	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	96	96496	20.0	20.5	
85 2-Hexanone	43	7.992	7.992	0.000	98	192280	100.0	101.5	
86 n-Butyl acetate	43	8.098	8.098	0.000	98	98941	20.0	20.1	
87 Chlorodibromomethane	129	8.156	8.156	0.000	98	69338	20.0	19.7	
88 Ethylene Dibromide	107	8.312	8.312	0.000	99	54253	20.0	19.9	
* 89 Chlorobenzene-d5	117	8.863	8.863	0.000	89	401830	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	93	200252	20.0	20.0	
91 Ethylbenzene	106	9.002	9.002	0.000	99	108551	20.0	19.2	
92 1,1,1,2-Tetrachloroethane	131	9.019	9.019	0.000	93	82753	20.0	19.8	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	96	139495	20.0	19.6	
94 n-Butyl acrylate	73	9.577	9.577	0.000	96	55986	20.0	20.3	
95 o-Xylene	106	9.594	9.594	0.000	94	146769	20.0	19.5	
96 Styrene	104	9.618	9.618	0.000	95	244382	20.0	20.4	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	89	156521	20.0	20.6	
98 Bromoform	173	9.816	9.816	0.000	97	56776	20.0	19.9	
99 Isopropylbenzene	105	9.931	9.931	0.000	96	388510	20.0	19.9	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	94	242878	50.0	52.0	
101 Bromobenzene	156	10.218	10.218	0.000	94	109454	20.0	19.8	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	97	87632	20.0	19.5	
103 N-Propylbenzene	91	10.276	10.276	0.000	99	466235	20.0	20.1	
104 1,2,3-Trichloropropane	110	10.300	10.300	0.000	96	25329	20.0	18.9	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	77	27825	20.0	20.5	
106 2-Chlorotoluene	91	10.366	10.366	0.000	97	328687	20.0	20.7	
107 4-Ethyltoluene	105	10.374	10.374	0.000	98	401382	20.0	22.3	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	93	356787	20.0	19.9	
109 4-Chlorotoluene	91	10.457	10.457	0.000	97	298699	20.0	20.7	
110 Butyl Methacrylate	87	10.506	10.506	0.000	96	126534	20.0	20.0	
111 tert-Butylbenzene	119	10.662	10.662	0.000	95	298159	20.0	20.8	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	98	378962	20.0	20.2	
113 sec-Butylbenzene	105	10.818	10.818	0.000	98	467361	20.0	21.0	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	96	226664	20.0	20.7	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	98	418965	20.0	20.7	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	93	289421	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.982	10.982	0.000	94	228654	20.0	20.2	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	402596	20.0	21.7	
118 Benzyl chloride	91	11.089	11.089	0.000	98	211632	20.0	21.9	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	95	392386	20.0	21.5	
120 p-Diethylbenzene	119	11.163	11.163	0.000	95	239992	20.0	21.6	
121 n-Butylbenzene	92	11.180	11.180	0.000	98	216911	20.0	21.1	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	96	216771	20.0	21.0	
123 1,2,4,5-Tetramethylbenzene	119	11.640	11.640	0.000	98	407465	20.0	22.2	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.722	0.000	93	16087	20.0	18.5	
125 1,3,5-Trichlorobenzene	180	11.804	11.804	0.000	98	182823	20.0	21.6	
126 1,2,4-Trichlorobenzene	180	12.215	12.215	0.000	94	169644	20.0	20.6	
127 Hexachlorobutadiene	225	12.281	12.281	0.000	97	85489	20.0	20.2	
128 Naphthalene	128	12.388	12.388	0.000	99	295892	20.0	20.5	
129 1,2,3-Trichlorobenzene	180	12.552	12.552	0.000	94	150450	20.0	19.4	
S 130 1,2-Dichloroethene, Total	100				0		40.0	38.3	
S 131 Xylenes, Total	100				0		40.0	39.1	

Reagents:

ACROLEIN W_00062	Amount Added:	4.00	Units: uL	
GAS Hi_00189	Amount Added:	2.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	2.00	Units: uL	
MIX I Hi_00071	Amount Added:	2.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Mar-2017 16:59:35 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44758.D

Injection Date: 21-Mar-2017 04:18:30 Instrument ID: CVOAMS6 Operator ID:

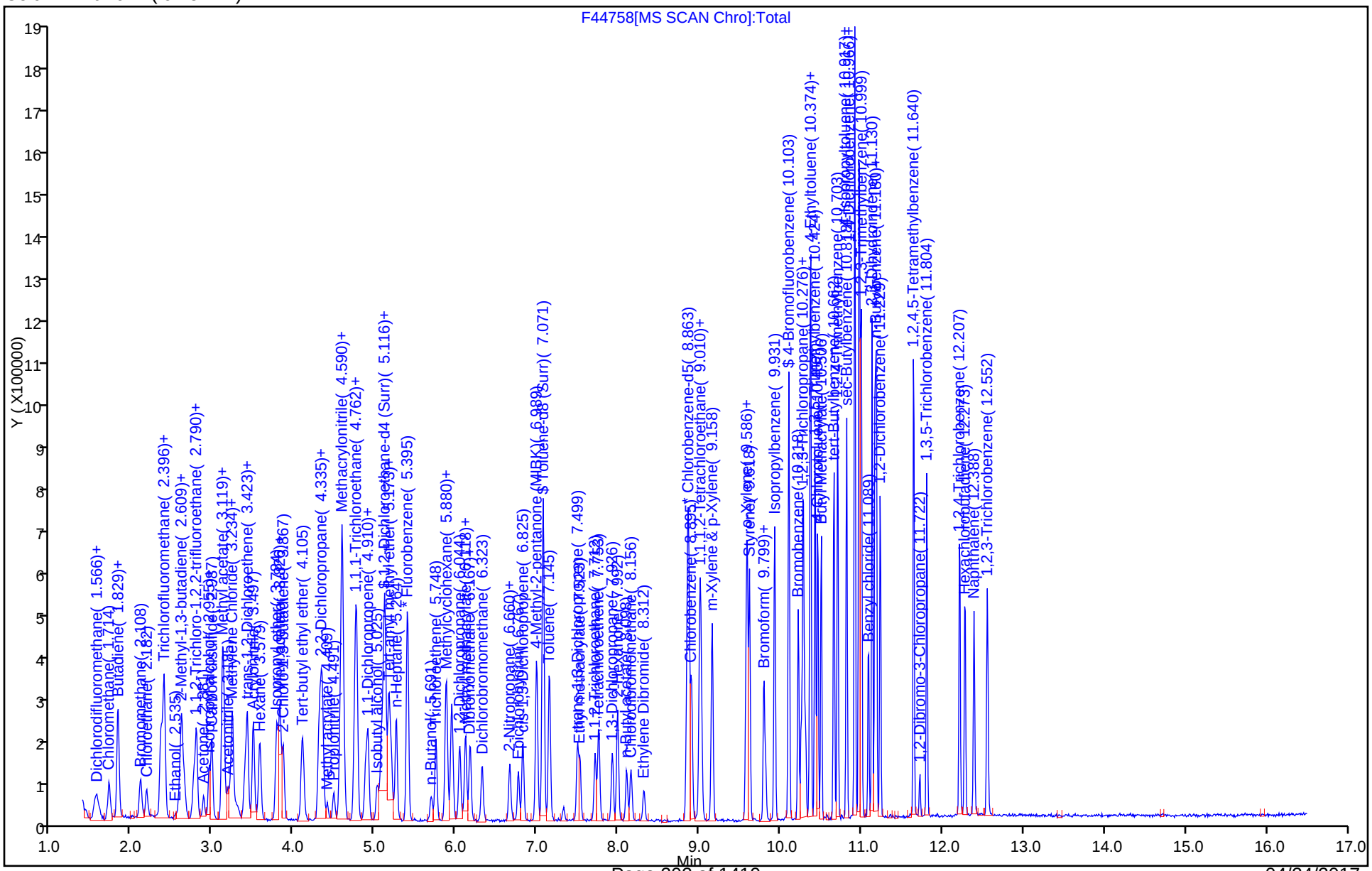
Lims ID: STD20 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44759.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Mar-2017 04:41:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0052699-007
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Mar-2017 16:59:37 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: kluseys Date: 21-Mar-2017 16:42:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.550	1.533	0.017	91	43577	50.0	47.9	
2 Dichlorodifluoromethane	85	1.566	1.566	0.000	99	300530	50.0	53.7	
3 Chloromethane	50	1.722	1.714	0.008	99	318103	50.0	51.9	
5 Butadiene	54	1.829	1.829	0.000	84	247880	50.0	54.3	
4 Vinyl chloride	62	1.829	1.829	0.000	98	326292	50.0	52.9	
6 Bromomethane	94	2.108	2.108	0.000	98	193109	50.0	50.7	
7 Chloroethane	64	2.182	2.182	0.000	100	164263	50.0	50.7	
8 Dichlorofluoromethane	67	2.363	2.355	0.008	98	422218	50.0	54.5	
9 Trichlorofluoromethane	101	2.379	2.363	0.016	96	341587	50.0	54.9	
10 Pentane	72	2.396	2.396	0.000	96	61371	100.0	99.8	
11 Ethanol	46	2.568	2.568	0.000	88	31647	2000.0	2111.0	
12 Ethyl ether	59	2.593	2.585	0.008	95	131658	50.0	49.7	
13 2-Methyl-1,3-butadiene	53	2.618	2.618	0.000	97	154770	50.0	48.6	
14 1,2-Dichloro-1,1,2-trifluo	117	2.642	2.642	0.000	95	142030	50.0	48.7	
15 Acrolein	56	2.766	2.757	0.009	56	36796	100.0	90.6	
16 1,1,2-Trichloro-1,2,2-trif	101	2.782	2.774	0.008	97	180843	50.0	48.7	
17 1,1-Dichloroethene	96	2.799	2.798	0.001	97	163160	50.0	49.9	
18 Acetone	43	2.889	2.881	0.008	86	195417	250.0	261.5	
19 Iodomethane	142	2.955	2.946	0.009	98	324932	50.0	50.8	
20 Isopropyl alcohol	45	2.971	2.971	0.000	41	90732	500.0	451.3	
21 Carbon disulfide	76	2.988	2.987	0.001	100	645662	50.0	51.3	
22 3-Chloro-1-propene	41	3.111	3.111	0.000	96	400094	50.0	51.0	
24 Methyl acetate	43	3.119	3.119	0.000	99	511452	250.0	265.7	
23 Cyclopentene	67	3.135	3.127	0.008	94	421150	50.0	51.5	
25 Acetonitrile	41	3.185	3.176	0.009	98	223945	500.0	518.6	
27 Methylene Chloride	84	3.242	3.234	0.008	97	191731	50.0	48.8	
* 26 TBA-d9 (IS)	46	3.226	3.234	-0.008	59	63286	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.308	3.300	0.008	98	136516	500.0	453.0	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	97	505804	50.0	51.0	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	98	183323	50.0	50.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.497	3.497	0.000	93	504225	500.0	510.7	
32 Hexane	43	3.579	3.571	0.008	93	186955	50.0	54.1	
33 Isopropyl ether	45	3.793	3.784	0.009	97	655132	50.0	52.7	
34 1,1-Dichloroethane	63	3.826	3.826	0.000	99	337882	50.0	52.0	
35 Vinyl acetate	86	3.834	3.834	0.000	94	53792	100.0	93.1	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	94	153949	50.0	51.9	
37 Tert-butyl ethyl ether	59	4.105	4.105	0.000	89	592050	50.0	53.6	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	71	131858	250.0	250.0	
39 2,2-Dichloropropane	97	4.327	4.327	0.000	96	68461	50.0	50.7	
40 cis-1,2-Dichloroethene	96	4.343	4.343	0.000	93	204129	50.0	50.6	
41 2-Butanone (MEK)	72	4.352	4.351	0.001	96	77401	250.0	278.5	
42 Ethyl acetate	70	4.360	4.360	0.000	94	28409	100.0	99.3	
43 Methyl acrylate	55	4.409	4.409	0.000	99	110570	50.0	48.6	
44 Propionitrile	54	4.491	4.491	0.000	98	191068	500.0	489.3	
45 Chlorobromomethane	128	4.565	4.565	0.000	89	94408	50.0	48.2	
46 Tetrahydrofuran	72	4.573	4.573	0.000	57	31731	100.0	101.5	
47 Methacrylonitrile	67	4.590	4.590	0.000	95	543789	500.0	513.1	
48 Chloroform	83	4.614	4.614	0.000	98	319414	50.0	50.8	
49 Cyclohexane	84	4.754	4.746	0.008	97	285200	50.0	49.7	
50 1,1,1-Trichloroethane	97	4.771	4.762	0.009	98	306422	50.0	49.2	
$ 51 Dibromofluoromethane (Surr	113	4.771	4.770	0.001	98	144896	50.0	50.6	
52 Carbon tetrachloride	117	4.886	4.877	0.009	97	272293	50.0	51.4	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	94	238310	50.0	49.0	
54 Isobutyl alcohol	43	5.025	5.025	0.000	97	180137	1250.0	1249.2	
55 Benzene	78	5.116	5.116	0.000	98	703439	50.0	51.0	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	98	183590	50.0	49.5	
57 Isopropyl acetate	43	5.165	5.165	0.000	95	507765	50.0	52.3	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	91	531422	50.0	50.0	
59 1,2-Dichloroethane	62	5.206	5.206	0.000	97	251779	50.0	51.0	
60 n-Heptane	57	5.264	5.264	0.000	96	150854	50.0	53.3	
* 61 Fluorobenzene	96	5.403	5.395	0.008	98	476868	50.0	50.0	
62 n-Butanol	56	5.691	5.691	0.000	91	105101	1250.0	1230.7	
63 Trichloroethene	95	5.748	5.748	0.000	96	174914	50.0	49.6	
65 Ethyl acrylate	55	5.872	5.872	0.000	97	463057	50.0	53.0	
64 Methylcyclohexane	83	5.880	5.880	0.000	87	339831	50.0	52.5	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	86	191053	50.0	50.5	
* 67 1,4-Dioxane-d8	96	6.102	6.093	0.009	84	22587	1000.0	1000.0	
68 Methyl methacrylate	100	6.118	6.118	0.000	93	74509	100.0	98.2	
69 1,4-Dioxane	88	6.159	6.151	0.008	29	32412	1000.0	1150.4	
70 n-Propyl acetate	43	6.167	6.167	0.000	99	212536	50.0	51.1	
71 Dibromomethane	93	6.167	6.176	-0.009	88	101239	50.0	48.9	
72 Dichlorobromomethane	83	6.324	6.323	0.001	98	242966	50.0	50.4	
73 2-Nitropropane	41	6.660	6.660	0.000	81	90165	100.0	94.3	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	70	96775	50.0	48.2	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	273268	1000.0	951.0	
76 cis-1,3-Dichloropropene	75	6.825	6.816	0.009	96	301648	50.0	51.5	
77 4-Methyl-2-pentanone (MIBK	43	6.989	6.989	0.000	98	789293	250.0	264.7	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	566381	50.0	49.5	
79 Toluene	91	7.154	7.145	0.009	93	757273	50.0	52.4	
80 trans-1,3-Dichloropropene	75	7.499	7.499	0.001	98	275201	50.0	52.4	
81 Ethyl methacrylate	69	7.531	7.523	0.008	92	207884	50.0	49.6	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	93	126555	50.0	50.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.762	7.761	0.001	97	212761	50.0	52.4	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	96	259170	50.0	52.7	
85 2-Hexanone	43	7.992	7.992	0.000	98	537244	250.0	276.1	
86 n-Butyl acetate	43	8.107	8.098	0.009	98	263309	50.0	51.2	
87 Chlorodibromomethane	129	8.156	8.156	0.000	98	186338	50.0	50.5	
88 Ethylene Dibromide	107	8.312	8.312	0.000	99	145631	50.0	51.0	
* 89 Chlorobenzene-d5	117	8.863	8.863	0.001	88	420197	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	93	541111	50.0	51.8	
91 Ethylbenzene	106	9.011	9.002	0.009	99	295147	50.0	50.0	
92 1,1,1,2-Tetrachloroethane	131	9.019	9.019	0.000	94	219647	50.0	50.2	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	97	371032	50.0	49.8	
94 n-Butyl acrylate	73	9.577	9.577	0.000	96	155737	50.0	53.9	
95 o-Xylene	106	9.594	9.594	0.000	94	394036	50.0	50.1	
96 Styrene	104	9.619	9.618	0.001	95	667346	50.0	53.4	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	89	419730	50.0	55.5	
98 Bromoform	173	9.816	9.816	0.000	97	151702	50.0	50.8	
99 Isopropylbenzene	105	9.931	9.931	0.000	97	1049597	50.0	51.4	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	94	239192	50.0	48.9	
101 Bromobenzene	156	10.218	10.218	0.000	95	290223	50.0	52.6	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	98	229717	50.0	51.3	
103 N-Propylbenzene	91	10.276	10.276	0.000	99	1246807	50.0	54.0	
104 1,2,3-Trichloropropane	110	10.301	10.300	0.001	96	64094	50.0	47.8	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	79	72027	50.0	53.3	
106 2-Chlorotoluene	91	10.366	10.366	0.000	97	873144	50.0	55.2	
107 4-Ethyltoluene	105	10.375	10.374	0.001	98	1056318	50.0	58.9	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	94	943485	50.0	52.7	
109 4-Chlorotoluene	91	10.457	10.457	0.000	97	798532	50.0	55.5	
110 Butyl Methacrylate	87	10.506	10.506	0.000	96	348622	50.0	55.4	
111 tert-Butylbenzene	119	10.662	10.662	0.000	94	815573	50.0	57.1	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	97	997700	50.0	53.3	
113 sec-Butylbenzene	105	10.818	10.818	0.000	98	1221058	50.0	55.1	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	97	1092726	50.0	54.0	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	95	585707	50.0	53.8	
* 116 1,4-Dichlorobenzene-d4	152	10.974	10.966	0.008	94	288599	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.991	10.982	0.009	95	601172	50.0	53.2	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	1049137	50.0	56.8	
118 Benzyl chloride	91	11.089	11.089	0.000	98	520045	50.0	54.0	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	95	1005428	50.0	55.1	
120 p-Diethylbenzene	119	11.172	11.163	0.009	95	635001	50.0	57.3	
121 n-Butylbenzene	92	11.180	11.180	0.000	94	562191	50.0	54.8	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	96	561393	50.0	54.4	
123 1,2,4,5-Tetramethylbenzene	119	11.648	11.640	0.008	98	1030509	50.0	56.2	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.722	0.000	96	47021	50.0	54.1	
125 1,3,5-Trichlorobenzene	180	11.804	11.804	0.000	97	470404	50.0	55.7	
126 1,2,4-Trichlorobenzene	180	12.215	12.215	0.000	93	442064	50.0	53.9	
127 Hexachlorobutadiene	225	12.281	12.281	0.000	98	225731	50.0	53.6	
128 Naphthalene	128	12.388	12.388	0.000	99	793221	50.0	55.1	
129 1,2,3-Trichlorobenzene	180	12.552	12.552	0.000	95	425214	50.0	54.9	
S 130 1,2-Dichloroethene, Total	100				0		100.0	100.6	
S 131 Xylenes, Total	100				0		100.0	99.9	

Reagents:

ACROLEIN W_00062	Amount Added:	10.00	Units: uL	
GAS Hi_00189	Amount Added:	5.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	5.00	Units: uL	
MIX I Hi_00071	Amount Added:	5.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Mar-2017 16:59:39 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44759.D

Injection Date: 21-Mar-2017 04:41:30 Instrument ID: CVOAMS6 Operator ID:

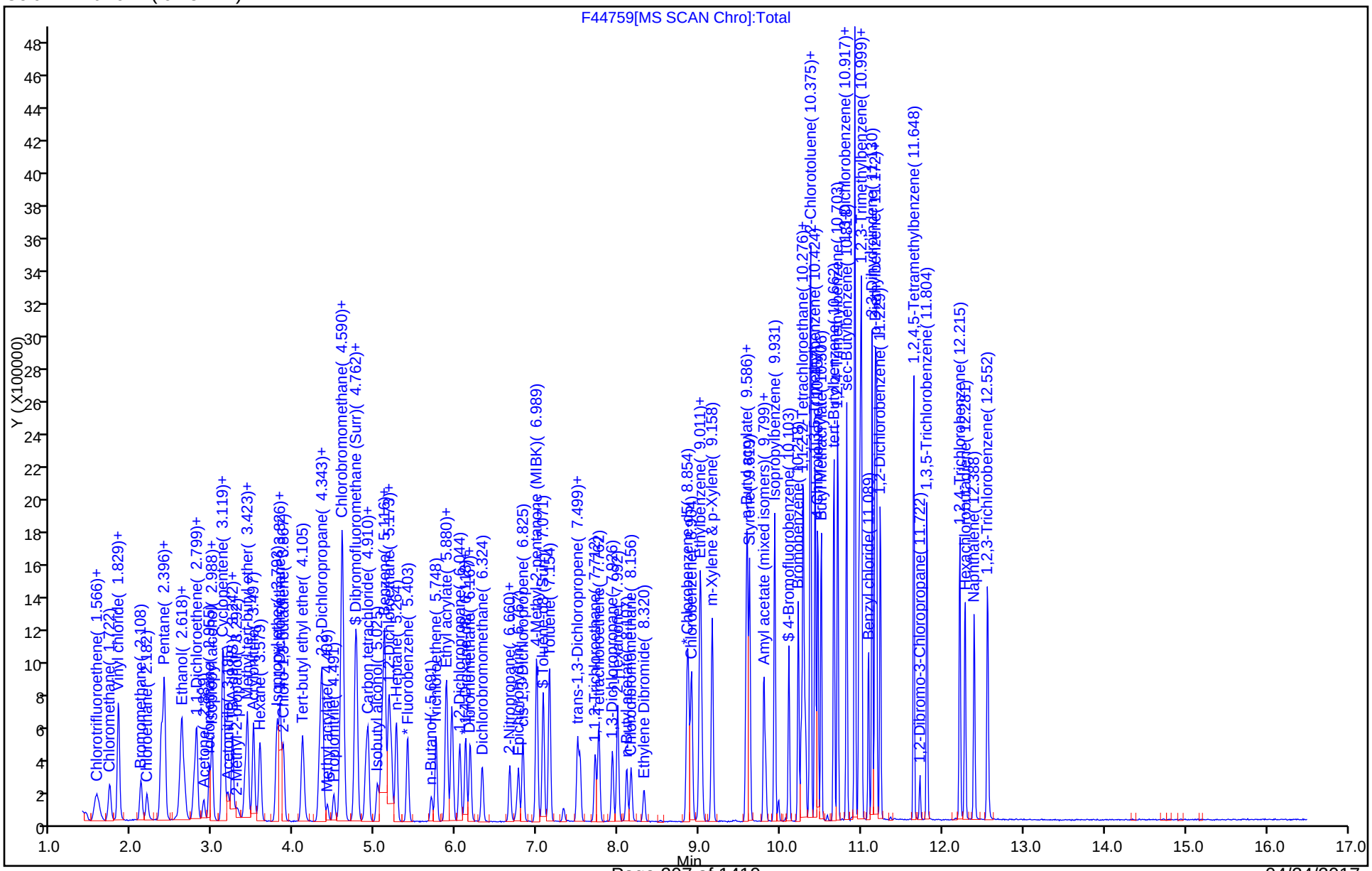
Lims ID: STD50 Worklist Smp#: 7

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44760.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Mar-2017 05:04:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0052699-008
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Mar-2017 16:59:41 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: kluseys Date: 21-Mar-2017 16:42:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.549	1.533	0.016	31	178816	200.0	187.4	
2 Dichlorodifluoromethane	85	1.574	1.566	0.008	99	1205010	200.0	205.3	
3 Chloromethane	50	1.730	1.714	0.016	99	1334746	200.0	207.8	
4 Vinyl chloride	62	1.829	1.829	0.000	97	1343057	200.0	207.5	
5 Butadiene	54	1.829	1.829	0.000	82	1011619	200.0	211.5	
6 Bromomethane	94	2.108	2.108	0.000	99	833264	200.0	208.6	
7 Chloroethane	64	2.182	2.182	0.000	100	691396	200.0	203.7	
8 Dichlorofluoromethane	67	2.355	2.355	0.000	99	1696645	200.0	208.9	
9 Trichlorofluoromethane	101	2.379	2.363	0.016	98	1348916	200.0	206.9	
10 Pentane	72	2.396	2.396	0.000	95	253544	400.0	393.3	
11 Ethanol	46	2.577	2.568	0.009	87	141459	8000.0	7775.5	
12 Ethyl ether	59	2.585	2.585	0.000	94	541375	200.0	195.0	
13 2-Methyl-1,3-butadiene	53	2.609	2.618	-0.009	97	700632	200.0	209.7	
14 1,2-Dichloro-1,1,2-trifluo	117	2.642	2.642	0.000	94	602897	200.0	197.1	
15 Acrolein	56	2.766	2.757	0.009	94	80437	200.0	179.5	
16 1,1,2-Trichloro-1,2,2-trif	101	2.774	2.774	0.000	98	763962	200.0	196.4	
17 1,1-Dichloroethene	96	2.798	2.798	0.000	95	691708	200.0	201.8	
18 Acetone	43	2.881	2.881	0.000	86	810502	1000.0	1031.2	
19 Iodomethane	142	2.955	2.946	0.009	99	1368332	200.0	204.1	
20 Isopropyl alcohol	45	2.963	2.971	-0.008	99	396823	2000.0	1788.3	
21 Carbon disulfide	76	2.987	2.987	0.000	100	2686524	200.0	203.5	
22 3-Chloro-1-propene	41	3.111	3.111	0.000	97	1705594	200.0	207.3	
24 Methyl acetate	43	3.119	3.119	0.000	100	2155408	1000.0	1068.3	
23 Cyclopentene	67	3.135	3.127	0.008	90	1846329	200.0	215.3	
25 Acetonitrile	41	3.176	3.176	0.000	97	945616	2000.0	2089.0	
* 26 TBA-d9 (IS)	46	3.242	3.234	0.008	32	69846	1000.0	1000.0	
27 Methylene Chloride	84	3.242	3.234	0.008	97	786281	200.0	190.9	
28 2-Methyl-2-propanol	59	3.300	3.300	0.000	98	635411	2000.0	1910.3	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	97	2126208	200.0	204.5	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	97	747261	200.0	194.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.497	3.497	0.000	93	2122657	2000.0	2051.0	
32 Hexane	43	3.579	3.571	0.008	93	758040	200.0	209.1	
33 Isopropyl ether	45	3.784	3.784	0.000	95	2723061	200.0	209.1	
34 1,1-Dichloroethane	63	3.826	3.826	0.000	100	1435472	200.0	210.9	
35 Vinyl acetate	86	3.834	3.834	0.000	94	232790	400.0	364.9	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	93	680492	200.0	218.7	
37 Tert-butyl ethyl ether	59	4.105	4.105	0.000	89	2511184	200.0	217.0	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	72	145103	250.0	250.0	
39 2,2-Dichloropropane	97	4.327	4.327	0.000	96	294512	200.0	208.1	
40 cis-1,2-Dichloroethene	96	4.343	4.343	0.000	93	859862	200.0	203.2	
41 2-Butanone (MEK)	72	4.360	4.351	0.009	96	323550	1000.0	1075.0	
42 Ethyl acetate	70	4.360	4.360	0.000	96	118550	400.0	376.4	
43 Methyl acrylate	55	4.409	4.409	0.000	99	498756	200.0	211.5	
44 Propionitrile	54	4.491	4.491	0.000	98	811958	2000.0	1884.2	
45 Chlorobromomethane	128	4.565	4.565	0.000	92	397702	200.0	193.7	
46 Tetrahydrofuran	72	4.565	4.573	-0.008	56	140078	400.0	415.6	
47 Methacrylonitrile	67	4.590	4.590	0.000	94	2348056	2000.0	2113.3	
48 Chloroform	83	4.614	4.614	0.000	98	1372888	200.0	208.3	
49 Cyclohexane	84	4.754	4.746	0.008	95	1266637	200.0	210.5	
50 1,1,1-Trichloroethane	97	4.771	4.762	0.009	98	1324282	200.0	203.0	
$ 51 Dibromofluoromethane (Surr	113	4.771	4.770	0.001	59	150840	50.0	50.3	
52 Carbon tetrachloride	117	4.886	4.877	0.009	97	1162572	200.0	209.3	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	94	1052149	200.0	206.5	
54 Isobutyl alcohol	43	5.025	5.025	0.000	96	801021	5000.0	5033.3	
55 Benzene	78	5.116	5.116	0.000	98	2937406	200.0	205.4	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	96	198870	50.0	51.2	
57 Isopropyl acetate	43	5.165	5.165	0.000	95	2136390	200.0	209.9	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	92	2308494	200.0	207.2	
59 1,2-Dichloroethane	62	5.206	5.206	0.000	96	1064039	200.0	205.5	
60 n-Heptane	57	5.264	5.264	0.000	95	605501	200.0	203.9	
* 61 Fluorobenzene	96	5.403	5.395	0.008	98	499896	50.0	50.0	
62 n-Butanol	56	5.691	5.691	0.000	93	467726	5000.0	4962.6	
63 Trichloroethene	95	5.748	5.748	0.000	97	768156	200.0	208.0	
65 Ethyl acrylate	55	5.872	5.872	0.000	98	1951459	200.0	213.1	
64 Methylcyclohexane	83	5.880	5.880	0.000	89	1448392	200.0	213.3	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	87	822007	200.0	207.2	
* 67 1,4-Dioxane-d8	96	6.102	6.093	0.009	37	34076	1000.0	1000.0	
68 Methyl methacrylate	100	6.118	6.118	0.000	93	333911	400.0	419.9	
69 1,4-Dioxane	88	6.159	6.151	0.008	93	140448	4000.0	3897.4	
70 n-Propyl acetate	43	6.167	6.167	0.000	99	934766	200.0	214.3	
71 Dibromomethane	93	6.176	6.176	0.000	64	444447	200.0	204.7	
72 Dichlorobromomethane	83	6.324	6.323	0.001	98	1055217	200.0	208.8	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	70	434170	200.0	206.2	
73 2-Nitropropane	41	6.660	6.660	0.000	80	387673	400.0	386.8	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	1198272	4000.0	3789.3	
76 cis-1,3-Dichloropropene	75	6.825	6.816	0.009	96	1291659	200.0	212.6	
77 4-Methyl-2-pentanone (MIBK	43	6.989	6.989	0.000	97	3455387	1000.0	1052.8	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	611470	50.0	51.5	
79 Toluene	91	7.153	7.145	0.008	94	3170770	200.0	211.4	
80 trans-1,3-Dichloropropene	75	7.499	7.499	0.001	97	1176610	200.0	215.8	
81 Ethyl methacrylate	69	7.523	7.523	0.000	93	923930	200.0	212.3	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	94	542855	200.0	206.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.761	7.761	0.000	97	916390	200.0	217.4	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	96	1101717	200.0	216.0	
85 2-Hexanone	43	7.992	7.992	0.000	97	2304243	1000.0	1076.0	
86 n-Butyl acetate	43	8.107	8.098	0.009	98	1147954	200.0	215.4	
87 Chlorodibromomethane	129	8.156	8.156	0.000	98	836986	200.0	218.9	
88 Ethylene Dibromide	107	8.320	8.312	0.008	99	629427	200.0	212.6	
* 89 Chlorobenzene-d5	117	8.871	8.863	0.009	86	435881	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	93	2295710	200.0	211.7	
91 Ethylbenzene	106	9.010	9.002	0.008	99	1279455	200.0	209.0	
92 1,1,1,2-Tetrachloroethane	131	9.027	9.019	0.008	94	974221	200.0	214.5	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	96	1606564	200.0	207.7	
94 n-Butyl acrylate	73	9.577	9.577	0.000	97	676318	200.0	225.6	
95 o-Xylene	106	9.594	9.594	0.000	95	1707941	200.0	209.3	
96 Styrene	104	9.618	9.618	0.000	93	2746800	200.0	211.7	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	90	1849248	200.0	230.0	
98 Bromoform	173	9.816	9.816	0.000	97	665671	200.0	215.0	
99 Isopropylbenzene	105	9.931	9.931	0.000	97	4128858	200.0	195.1	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	93	258202	50.0	50.9	
101 Bromobenzene	156	10.218	10.218	0.000	92	1213106	200.0	206.8	
102 1,1,2,2-Tetrachloroethane	83	10.259	10.251	0.008	97	974463	200.0	204.9	
103 N-Propylbenzene	91	10.284	10.276	0.008	99	4578208	200.0	186.5	
104 1,2,3-Trichloropropane	110	10.301	10.300	0.000	96	282157	200.0	198.2	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	78	317412	200.0	220.9	
106 2-Chlorotoluene	91	10.366	10.366	0.000	97	3499620	200.0	208.1	
107 4-Ethyltoluene	105	10.374	10.374	0.000	95	4148586	200.0	217.8	
108 1,3,5-Trimethylbenzene	105	10.432	10.424	0.008	95	3704206	200.0	194.8	
109 4-Chlorotoluene	91	10.465	10.457	0.008	97	3120028	200.0	204.1	
110 Butyl Methacrylate	87	10.506	10.506	0.000	96	1455881	200.0	217.6	
111 tert-Butylbenzene	119	10.662	10.662	0.000	92	3264788	200.0	215.1	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	96	3751489	200.0	188.6	
113 sec-Butylbenzene	105	10.818	10.818	0.000	94	4432521	200.0	188.1	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	94	2431058	200.0	209.9	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	93	4087217	200.0	190.1	
* 116 1,4-Dichlorobenzene-d4	152	10.974	10.966	0.008	92	306739	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.991	10.982	0.009	92	2400791	200.0	199.9	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	3834660	200.0	195.2	
118 Benzyl chloride	91	11.089	11.089	0.000	98	2124723	200.0	207.4	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	95	3762365	200.0	194.1	
120 p-Diethylbenzene	119	11.171	11.163	0.008	94	2553541	200.0	216.9	
121 n-Butylbenzene	92	11.188	11.180	0.008	98	2255055	200.0	206.7	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	94	2246700	200.0	205.0	
123 1,2,4,5-Tetramethylbenzene	119	11.648	11.640	0.008	97	3822452	200.0	196.2	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.722	0.000	94	193617	200.0	209.7	
125 1,3,5-Trichlorobenzene	180	11.812	11.804	0.008	97	1943898	200.0	216.6	
126 1,2,4-Trichlorobenzene	180	12.215	12.215	0.000	94	1839084	200.0	211.0	
127 Hexachlorobutadiene	225	12.281	12.281	0.000	98	932372	200.0	208.2	
128 Naphthalene	128	12.388	12.388	0.000	98	3212442	200.0	210.0	
129 1,2,3-Trichlorobenzene	180	12.552	12.552	0.000	95	1749491	200.0	212.4	
S 130 1,2-Dichloroethene, Total	100				0		400.0	397.7	
S 131 Xylenes, Total	100				0		400.0	417.0	

Reagents:

ACROLEIN W_00062	Amount Added:	20.00	Units: uL	
GAS Hi_00189	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	20.00	Units: uL	
MIX I Hi_00071	Amount Added:	20.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Mar-2017 16:59:43 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44760.D

Injection Date: 21-Mar-2017 05:04:30 Instrument ID: CVOAMS6 Operator ID:

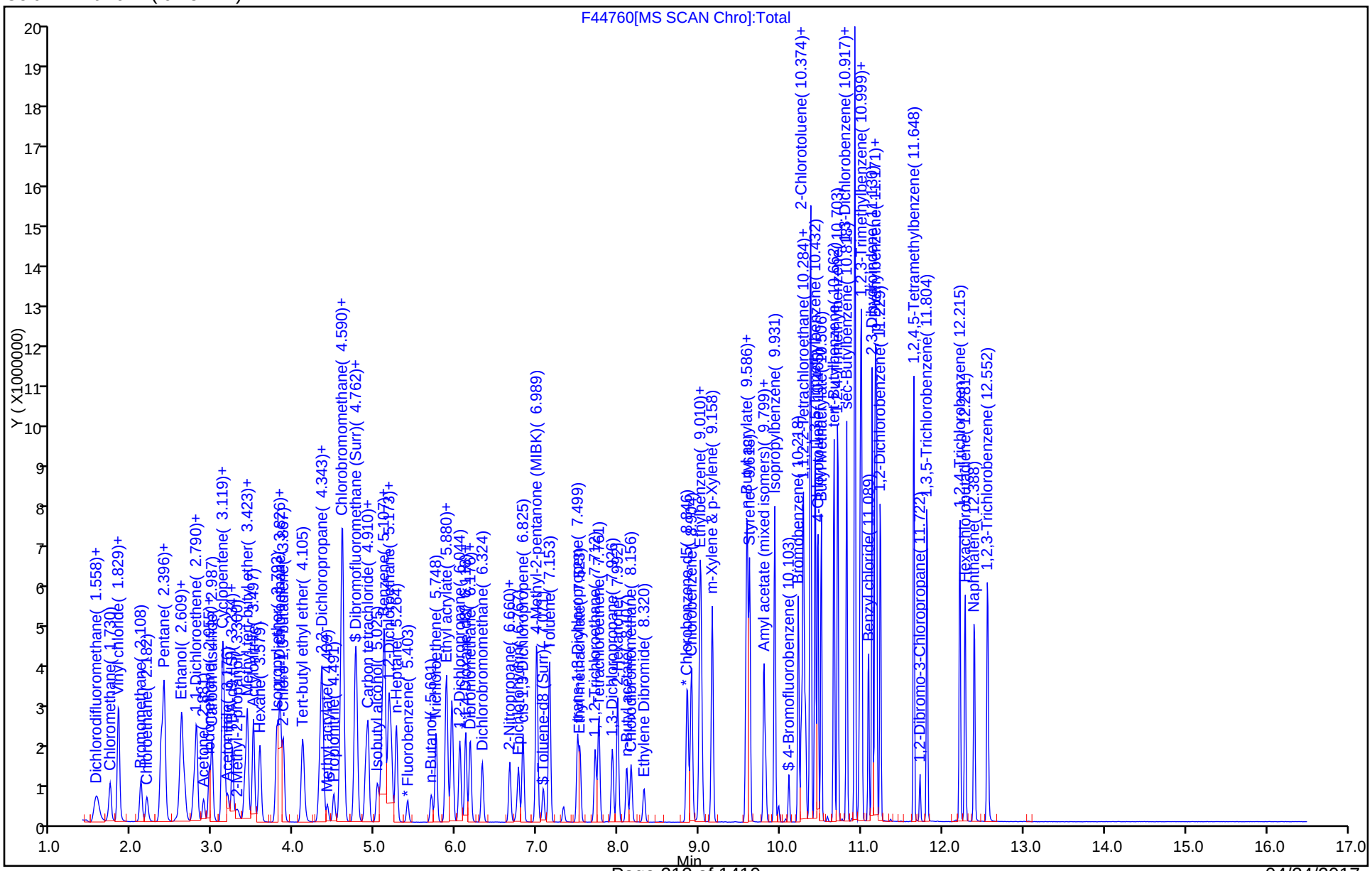
Lims ID: STD200 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44761.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Mar-2017 05:27:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0052699-009
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Mar-2017 16:59:45 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: kluseys Date: 21-Mar-2017 09:44:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.541	1.533	0.008	64	428951	500.0	432.6	
2 Dichlorodifluoromethane	85	1.566	1.566	0.000	99	2974504	500.0	487.7	
3 Chloromethane	50	1.730	1.714	0.016	98	3296899	500.0	494.0	
5 Butadiene	54	1.829	1.829	0.000	84	2481182	500.0	499.4	
4 Vinyl chloride	62	1.829	1.829	0.000	97	3289189	500.0	489.2	
6 Bromomethane	94	2.108	2.108	0.000	99	2154756	500.0	519.1	
7 Chloroethane	64	2.174	2.182	-0.008	100	1707985	500.0	484.3	
8 Dichlorofluoromethane	67	2.355	2.355	0.000	98	4074139	500.0	482.7	
9 Trichlorofluoromethane	101	2.371	2.363	0.008	98	3394091	500.0	501.1	
10 Pentane	72	2.396	2.396	0.000	94	645031	1000.0	963.1	
11 Ethanol	46	2.585	2.568	0.017	96	352526	20000	20069	
12 Ethyl ether	59	2.585	2.585	0.000	93	1307937	500.0	453.4	
13 2-Methyl-1,3-butadiene	53	2.609	2.618	-0.009	98	1725917	500.0	497.2	
14 1,2-Dichloro-1,1,2-trifluo	117	2.642	2.642	0.000	94	1465540	500.0	461.2	
15 Acrolein	56	2.757	2.757	0.000	95	153872	400.0	441.8	
16 1,1,2-Trichloro-1,2,2-trif	101	2.774	2.774	0.000	97	1842253	500.0	455.9	
17 1,1-Dichloroethene	96	2.798	2.798	0.000	97	1680394	500.0	471.8	
18 Acetone	43	2.881	2.881	0.000	86	1992060	2500.0	2454.5	
19 Iodomethane	142	2.946	2.946	0.000	100	3218111	500.0	462.0	
20 Isopropyl alcohol	45	2.963	2.971	-0.008	99	964066	5000.0	5589.6	
21 Carbon disulfide	76	2.979	2.987	-0.008	100	5944100	500.0	433.5	
22 3-Chloro-1-propene	41	3.111	3.111	0.000	98	4001732	500.0	468.2	
24 Methyl acetate	43	3.119	3.119	0.000	99	4946378	2500.0	2359.7	
23 Cyclopentene	67	3.127	3.127	0.000	91	4375780	500.0	491.2	
25 Acetonitrile	41	3.176	3.176	0.000	97	2270167	5000.0	4827.3	
27 Methylene Chloride	84	3.234	3.234	0.000	98	1882053	500.0	439.7	
* 26 TBA-d9 (IS)	46	3.217	3.234	-0.017	53	54288	1000.0	1000.0	M
28 2-Methyl-2-propanol	59	3.300	3.300	0.000	99	1570003	5000.0	6072.7	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	97	5067786	500.0	469.2	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	96	1776385	500.0	445.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.497	3.497	0.000	91	4934085	5000.0	4588.9	
32 Hexane	43	3.571	3.571	0.000	93	1731180	500.0	459.6	
33 Isopropyl ether	45	3.793	3.784	0.009	91	6358508	500.0	470.0	
34 1,1-Dichloroethane	63	3.817	3.826	-0.009	99	3373677	500.0	477.0	
35 Vinyl acetate	86	3.834	3.834	0.000	94	574492	1000.0	1158.6	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	94	1652170	500.0	511.1	
37 Tert-butyl ethyl ether	59	4.105	4.105	0.000	91	5934252	500.0	493.5	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	82	161176	250.0	250.0	
39 2,2-Dichloropropane	97	4.327	4.327	0.000	96	718143	500.0	488.4	
40 cis-1,2-Dichloroethene	96	4.335	4.343	-0.008	93	2077700	500.0	472.5	
41 2-Butanone (MEK)	72	4.351	4.351	0.000	96	796220	2500.0	2389.2	
42 Ethyl acetate	70	4.351	4.360	-0.009	96	298240	1000.0	852.6	
43 Methyl acrylate	55	4.409	4.409	0.000	99	1228022	500.0	460.0	
44 Propionitrile	54	4.491	4.491	0.000	97	1979284	5000.0	5909.3	
45 Chlorobromomethane	128	4.565	4.565	0.000	89	982324	500.0	460.6	
46 Tetrahydrofuran	72	4.565	4.573	-0.008	57	351409	1000.0	942.3	
47 Methacrylonitrile	67	4.598	4.590	0.008	86	5544821	5000.0	4803.5	
48 Chloroform	83	4.614	4.614	0.000	97	3248231	500.0	474.3	
49 Cyclohexane	84	4.754	4.746	0.008	94	3032112	500.0	485.0	
50 1,1,1-Trichloroethane	97	4.770	4.762	0.008	98	3178862	500.0	469.1	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	45	154540	50.0	49.6	
52 Carbon tetrachloride	117	4.886	4.877	0.009	98	2801902	500.0	485.5	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	94	2470846	500.0	466.7	
54 Isobutyl alcohol	43	5.025	5.025	0.000	94	1943097	12500	15709	
55 Benzene	78	5.116	5.116	0.000	99	6567405	500.0	405.6	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	91	227929	50.0	56.5	
57 Isopropyl acetate	43	5.165	5.165	0.000	95	5071314	500.0	479.5	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	92	5556422	500.0	480.0	
59 1,2-Dichloroethane	62	5.206	5.206	0.000	95	2554212	500.0	474.7	
60 n-Heptane	57	5.263	5.264	-0.001	95	1383008	500.0	448.3	
* 61 Fluorobenzene	96	5.403	5.395	0.008	98	519352	50.0	50.0	
62 n-Butanol	56	5.699	5.691	0.008	93	1187979	12500	16217	
63 Trichloroethene	95	5.748	5.748	0.000	96	1869732	500.0	487.3	
65 Ethyl acrylate	55	5.880	5.872	0.008	99	4661344	500.0	490.0	
64 Methylcyclohexane	83	5.880	5.880	0.000	87	3460666	500.0	490.4	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	88	2020286	500.0	490.2	
* 67 1,4-Dioxane-d8	96	6.102	6.093	0.009	37	54862	1000.0	1000.0	M
68 Methyl methacrylate	100	6.118	6.118	0.000	92	858446	1000.0	1039.1	
69 1,4-Dioxane	88	6.159	6.151	0.008	92	349401	10000	9555.0	
70 n-Propyl acetate	43	6.167	6.167	0.000	99	2351150	500.0	518.8	
71 Dibromomethane	93	6.176	6.176	0.000	65	1145220	500.0	507.7	
72 Dichlorobromomethane	83	6.323	6.323	0.000	98	2598903	500.0	495.0	
73 2-Nitropropane	41	6.660	6.660	0.000	81	997896	1000.0	958.4	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	72	1117358	500.0	510.7	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	2988053	10000	8506.9	
76 cis-1,3-Dichloropropene	75	6.825	6.816	0.009	96	3237441	500.0	470.5	
77 4-Methyl-2-pentanone (MIBK	43	6.997	6.989	0.008	93	7635032	2500.0	2094.4	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	656881	50.0	48.9	
79 Toluene	91	7.153	7.145	0.008	95	7095246	500.0	417.8	
80 trans-1,3-Dichloropropene	75	7.498	7.499	0.000	97	2911424	500.0	471.7	
81 Ethyl methacrylate	69	7.531	7.523	0.008	93	2314171	500.0	469.7	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	94	1400775	500.0	471.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.761	7.761	0.000	97	2240886	500.0	469.6	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	96	2743512	500.0	475.1	
85 2-Hexanone	43	7.992	7.992	0.000	95	5490705	2500.0	2308.3	
86 n-Butyl acetate	43	8.107	8.098	0.009	98	2915468	500.0	483.1	
87 Chlorodibromomethane	129	8.156	8.156	0.000	98	2098968	500.0	484.8	
88 Ethylene Dibromide	107	8.320	8.312	0.008	98	1593621	500.0	475.3	
* 89 Chlorobenzene-d5	117	8.871	8.863	0.009	88	493523	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	90	5456649	500.0	444.4	
91 Ethylbenzene	106	9.010	9.002	0.008	95	3204397	500.0	462.2	
92 1,1,1,2-Tetrachloroethane	131	9.027	9.019	0.008	94	2472029	500.0	480.7	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	92	3895808	500.0	444.8	
94 n-Butyl acrylate	73	9.577	9.577	0.000	98	1767739	500.0	520.8	
95 o-Xylene	106	9.594	9.594	0.000	97	4116962	500.0	445.7	
96 Styrene	104	9.618	9.618	0.000	88	6060577	500.0	412.6	
97 Amyl acetate (mixed isomer	43	9.799	9.791	0.008	93	4297761	500.0	492.0	
98 Bromoform	173	9.816	9.816	0.000	96	1673731	500.0	477.4	
99 Isopropylbenzene	105	9.931	9.931	0.000	92	7634913	500.0	318.6	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	93	270829	50.0	47.2	
101 Bromobenzene	156	10.227	10.218	0.008	88	2963078	500.0	465.1	
102 1,1,2,2-Tetrachloroethane	83	10.259	10.251	0.008	97	2352685	500.0	455.3	
103 N-Propylbenzene	91	10.284	10.276	0.008	97	7965581	500.0	298.7	
104 1,2,3-Trichloropropane	110	10.300	10.300	0.000	95	706651	500.0	456.9	
105 trans-1,4-Dichloro-2-buten	53	10.317	10.309	0.008	77	808945	500.0	518.2	
106 2-Chlorotoluene	91	10.374	10.366	0.008	89	6747246	500.0	369.4	
107 4-Ethyltoluene	105	10.374	10.374	0.000	86	7697928	500.0	372.0	
108 1,3,5-Trimethylbenzene	105	10.432	10.424	0.008	91	6686703	500.0	323.8	
109 4-Chlorotoluene	91	10.465	10.457	0.008	89	6197714	500.0	373.3	
110 Butyl Methacrylate	87	10.506	10.506	0.000	94	3416875	500.0	470.2	
111 tert-Butylbenzene	119	10.662	10.662	0.000	82	6224704	500.0	377.6	
112 1,2,4-Trimethylbenzene	105	10.711	10.703	0.008	85	6553604	500.0	303.2	
113 sec-Butylbenzene	105	10.818	10.818	0.000	82	7340280	500.0	286.8	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	82	6843260	500.0	293.0	
115 1,3-Dichlorobenzene	146	10.925	10.917	0.008	86	5030349	500.0	399.9	
* 116 1,4-Dichlorobenzene-d4	152	10.974	10.966	0.008	93	333208	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.991	10.982	0.009	85	5023508	500.0	385.0	
132 1,2,3-Trimethylbenzene	105	11.007	10.999	0.008	0	6652127	500.0	311.7	
118 Benzyl chloride	91	11.089	11.089	0.000	95	4424003	500.0	397.6	
119 2,3-Dihydroindene	117	11.139	11.130	0.009	93	6440931	500.0	305.9	
120 p-Diethylbenzene	119	11.171	11.163	0.008	86	5222965	500.0	408.3	
121 n-Butylbenzene	92	11.188	11.180	0.008	84	4616271	500.0	389.4	
122 1,2-Dichlorobenzene	146	11.237	11.229	0.008	86	4658270	500.0	391.2	
123 1,2,4,5-Tetramethylbenzene	119	11.648	11.640	0.008	84	6273170	500.0	296.5	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.722	0.000	96	477690	500.0	476.2	
125 1,3,5-Trichlorobenzene	180	11.812	11.804	0.008	95	4135317	500.0	424.2	
126 1,2,4-Trichlorobenzene	180	12.223	12.215	0.008	95	4049324	500.0	427.7	
127 Hexachlorobutadiene	225	12.289	12.281	0.008	96	2139558	500.0	439.9	
128 Naphthalene	128	12.396	12.388	0.008	94	6255550	500.0	376.4	
129 1,2,3-Trichlorobenzene	180	12.560	12.552	0.008	95	3885821	500.0	434.2	
S 130 1,2-Dichloroethene, Total	100				0		1000.0	917.6	
S 131 Xylenes, Total	100				0		1000.0	890.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

ACROLEIN W_00062	Amount Added:	40.00	Units: uL	
GAS Hi_00189	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	50.00	Units: uL	
MIX I Hi_00071	Amount Added:	50.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

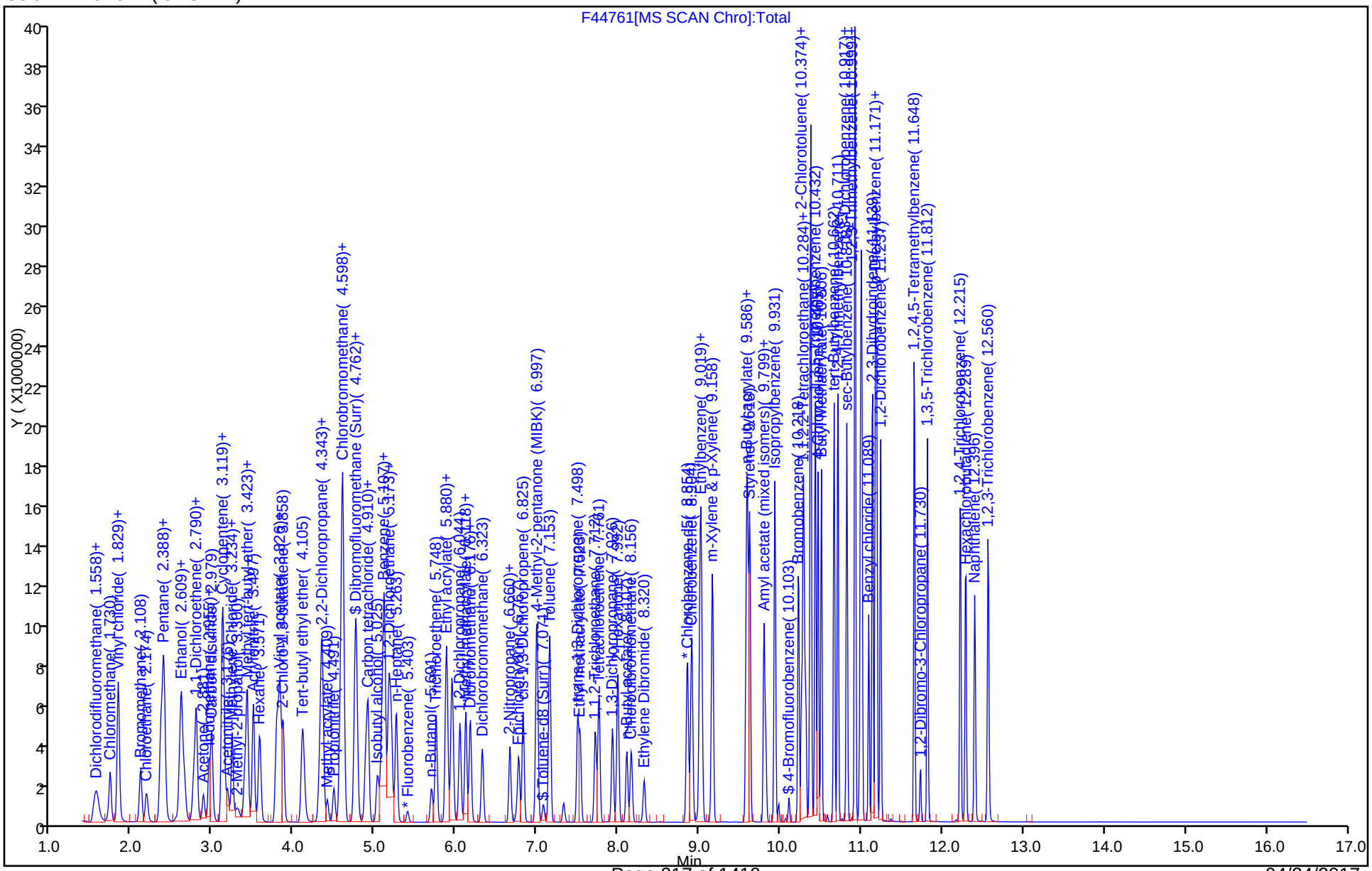
Report Date: 24-Mar-2017 16:59:48 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44761.D

Injection Date:	21-Mar-2017 05:27:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	STD500			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

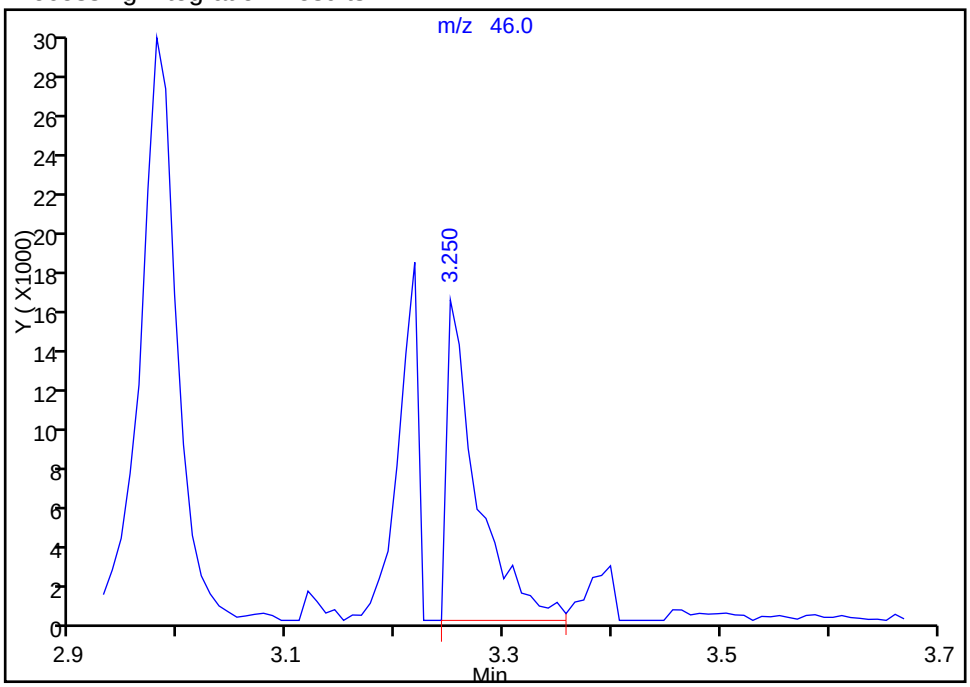
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Injection Date: 21-Mar-2017 05:27:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 26 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

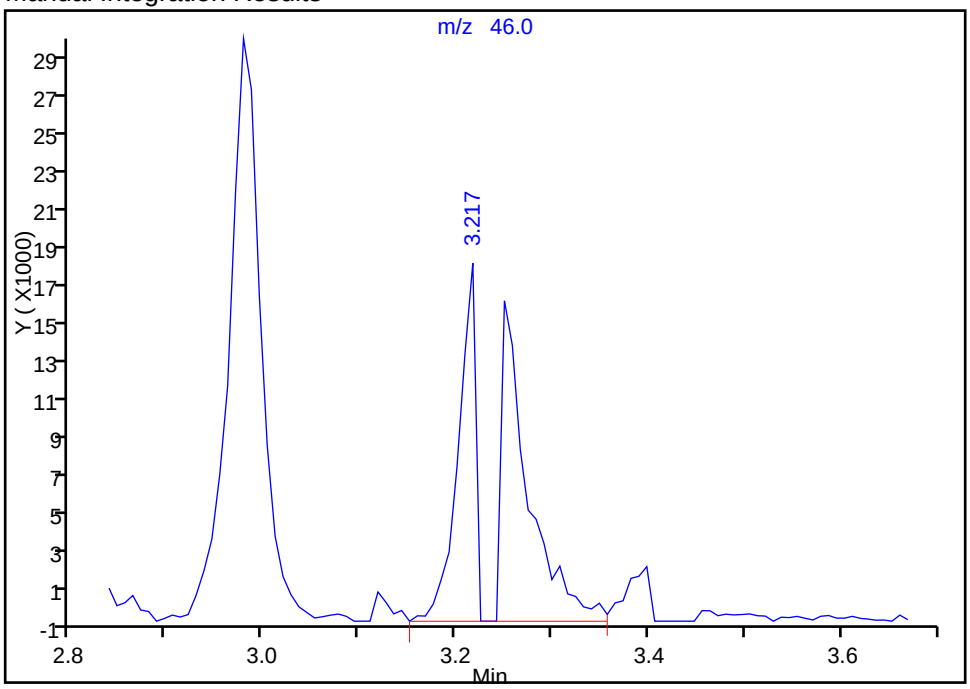
Processing Integration Results

RT: 3.25
Area: 31382
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 3.22
Area: 54288
Amount: 1000.0000
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 16:59:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

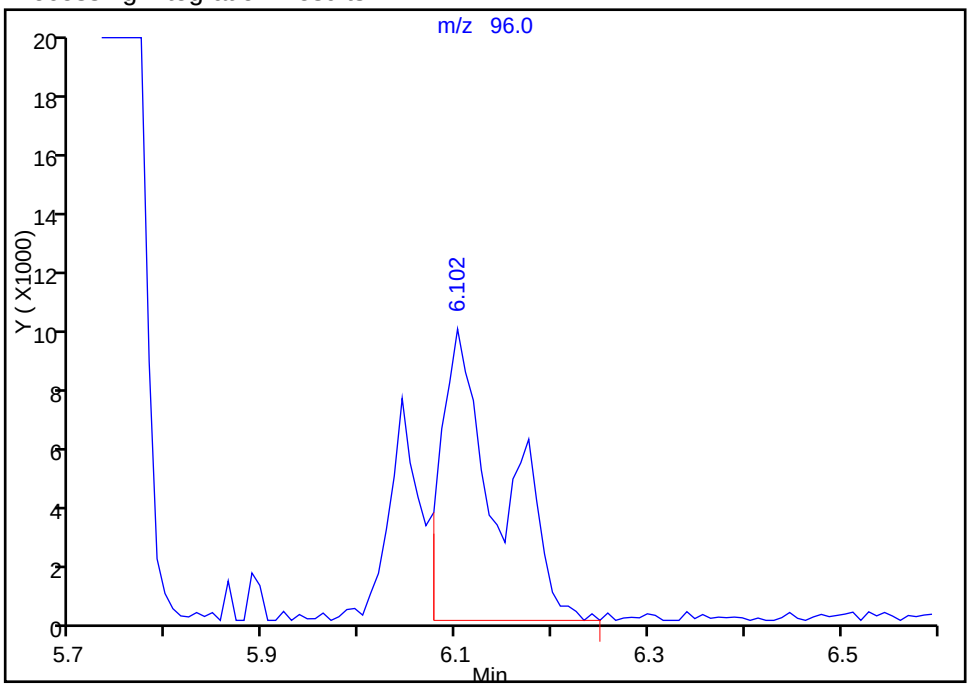
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Injection Date: 21-Mar-2017 05:27:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 67 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

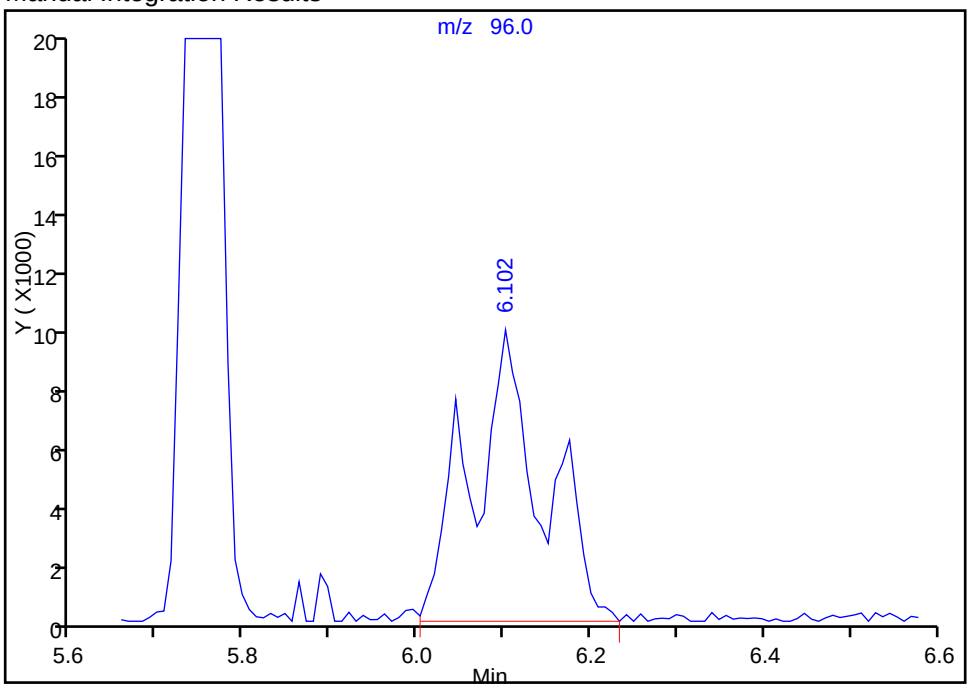
Processing Integration Results

RT: 6.10
Area: 40112
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 6.10
Area: 54862
Amount: 1000.0000
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 16:59:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Mar-2017 11:24:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0052699-017
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 24-Mar-2017 17:01:05 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: kluseys Date: 21-Mar-2017 13:07:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.550	1.533	0.017	4	1095	1.00	1.26	M
2 Dichlorodifluoromethane	85	1.591	1.566	0.025	75	5274	1.00	0.9892	
3 Chloromethane	50	1.714	1.714	0.000	93	5988	1.00	1.03	
5 Butadiene	54	1.821	1.829	-0.008	71	3752	1.00	0.8639	
4 Vinyl chloride	62	1.829	1.829	0.000	96	5893	1.00	1.00	
6 Bromomethane	94	2.100	2.108	-0.008	91	3663	1.00	1.01	
7 Chloroethane	64	2.174	2.182	-0.008	88	3542	1.00	1.15	M
8 Dichlorofluoromethane	67	2.355	2.355	0.000	94	6479	1.00	0.8782	
9 Trichlorofluoromethane	101	2.363	2.363	0.000	50	4479	1.00	0.7565	M
10 Pentane	72	2.379	2.396	-0.017	94	1314	2.00	2.24	M
11 Ethanol	46	2.560	2.568	-0.008	56	1586	40.0	41.0	M
12 Ethyl ether	59	2.585	2.585	0.000	69	3243	1.00	1.29	
13 2-Methyl-1,3-butadiene	53	2.626	2.618	0.008	87	3180	1.00	1.05	
14 1,2-Dichloro-1,1,2-trifluo	117	2.642	2.642	0.000	24	3295	1.00	1.19	M
15 Acrolein	56	2.766	2.757	0.009	55	1726	4.00	4.53	M
16 1,1,2-Trichloro-1,2,2-trif	101	2.774	2.774	0.000	55	4438	1.00	1.26	
17 1,1-Dichloroethene	96	2.799	2.798	0.000	91	3372	1.00	1.08	
18 Acetone	43	2.881	2.881	0.000	65	5433	5.00	5.03	
19 Iodomethane	142	2.946	2.946	0.000	96	6502	1.00	1.07	
20 Isopropyl alcohol	45	2.963	2.971	-0.008	29	2353	10.0	12.5	
21 Carbon disulfide	76	2.979	2.987	-0.008	95	13047	1.00	1.09	
22 3-Chloro-1-propene	41	3.103	3.111	-0.008	82	7880	1.00	1.05	
24 Methyl acetate	43	3.119	3.119	0.000	96	7912	5.00	4.32	
23 Cyclopentene	67	3.135	3.127	0.008	91	7466	1.00	0.9588	
25 Acetonitrile	41	3.176	3.176	0.000	19	3595	10.0	8.75	
27 Methylene Chloride	84	3.234	3.234	0.000	33	4753	1.00	1.27	
* 26 TBA-d9 (IS)	46	3.226	3.234	-0.008	96	59411	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.300	3.300	0.000	1	3227	10.0	11.4	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	85	10159	1.00	1.08	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	93	4038	1.00	1.16	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.489	3.497	-0.008	89	9700	10.0	10.3	
32 Hexane	43	3.579	3.571	0.008	80	3058	1.00	0.9287	
33 Isopropyl ether	45	3.785	3.784	0.001	91	11371	1.00	0.9616	
34 1,1-Dichloroethane	63	3.826	3.826	0.000	70	5975	1.00	0.9665	
35 Vinyl acetate	86	3.834	3.834	0.000	90	1213	2.00	2.24	
36 2-Chloro-1,3-butadiene	88	3.850	3.867	-0.017	91	2473	1.00	0.8751	
37 Tert-butyl ethyl ether	59	4.097	4.105	-0.008	85	8362	1.00	0.7956	
* 38 2-Butanone-d5	46	4.294	4.302	-0.008	78	117817	250.0	250.0	
39 2,2-Dichloropropane	97	4.302	4.327	-0.025	46	1119	1.00	0.8707	M
40 cis-1,2-Dichloroethene	96	4.335	4.343	-0.008	79	4458	1.00	1.16	
41 2-Butanone (MEK)	72	4.352	4.351	0.001	93	2731	5.00	5.13	
42 Ethyl acetate	70	4.376	4.360	0.016	89	614	2.00	2.40	M
43 Methyl acrylate	55	4.393	4.409	-0.016	36	2228	1.00	1.06	
44 Propionitrile	54	4.499	4.491	0.008	50	3744	10.0	10.2	M
45 Chlorobromomethane	128	4.557	4.565	-0.008	86	2212	1.00	1.19	
46 Tetrahydrofuran	72	4.549	4.573	-0.024	26	1328	2.00	2.04	M
47 Methacrylonitrile	67	4.590	4.590	0.000	94	9684	10.0	9.60	
48 Chloroform	83	4.606	4.614	-0.008	81	6109	1.00	1.02	
49 Cyclohexane	84	4.738	4.746	-0.008	68	5636	1.00	1.03	M
50 1,1,1-Trichloroethane	97	4.762	4.762	0.000	36	6690	1.00	1.13	
$ 51 Dibromofluoromethane (Surr	113	4.771	4.770	0.001	97	138632	50.0	50.9	
52 Carbon tetrachloride	117	4.886	4.877	0.009	91	5066	1.00	1.00	
53 1,1-Dichloropropene	75	4.902	4.910	-0.008	54	5069	1.00	1.10	
54 Isobutyl alcohol	43	5.034	5.025	0.009	22	3006	25.0	22.2	M
55 Benzene	78	5.107	5.116	-0.009	43	14266	1.00	1.12	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	97	172238	50.0	48.8	
57 Isopropyl acetate	43	5.157	5.165	-0.008	79	9183	1.00	0.99	
58 Tert-amyl methyl ether	73	5.165	5.173	-0.008	90	10799	1.00	1.07	
59 1,2-Dichloroethane	62	5.198	5.206	-0.008	93	5067	1.00	1.08	
60 n-Heptane	57	5.255	5.264	-0.009	64	2550	1.00	0.9455	
* 61 Fluorobenzene	96	5.395	5.395	0.000	98	453978	50.0	50.0	
62 n-Butanol	56	5.707	5.691	0.016	46	1818	25.0	22.7	
63 Trichloroethene	95	5.748	5.748	0.000	87	3669	1.00	1.09	
65 Ethyl acrylate	55	5.872	5.872	0.000	92	7504	1.00	0.9023	
64 Methylcyclohexane	83	5.863	5.880	-0.017	67	5867	1.00	0.9512	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	12	3663	1.00	1.02	
* 67 1,4-Dioxane-d8	96	6.093	6.093	0.000	89	19197	1000.0	1000.0	
68 Methyl methacrylate	100	6.110	6.118	-0.008	67	1546	2.00	2.14	
69 1,4-Dioxane	88	6.143	6.151	-0.008	51	2104	50.0	83.0	M
70 n-Propyl acetate	43	6.167	6.167	0.000	86	3578	1.00	0.9032	
71 Dibromomethane	93	6.159	6.176	-0.017	73	2166	1.00	1.10	
72 Dichlorobromomethane	83	6.315	6.323	-0.008	79	4672	1.00	1.02	
73 2-Nitropropane	41	6.652	6.660	-0.008	62	2043	2.00	2.24	
74 2-Chloroethyl vinyl ether	63	6.644	6.660	-0.016	43	2266	1.00	1.18	M
75 Epichlorohydrin	57	6.759	6.767	-0.008	95	6023	20.0	23.5	
76 cis-1,3-Dichloropropene	75	6.817	6.816	0.001	91	5627	1.00	1.04	
77 4-Methyl-2-pentanone (MIBK	43	6.981	6.989	-0.008	97	14202	5.00	5.33	
$ 78 Toluene-d8 (Surr)	98	7.063	7.071	-0.008	99	533649	50.0	50.6	
79 Toluene	91	7.145	7.145	0.000	96	14530	1.00	1.09	
80 trans-1,3-Dichloropropene	75	7.490	7.499	-0.008	87	4961	1.00	1.02	
81 Ethyl methacrylate	69	7.515	7.523	-0.008	81	4327	1.00	1.12	
82 1,1,2-Trichloroethane	83	7.704	7.712	-0.008	50	2589	1.00	1.11	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.753	7.761	-0.008	86	3418	1.00	0.9122	
84 1,3-Dichloropropane	76	7.934	7.926	0.008	86	4502	1.00	0.99	
85 2-Hexanone	43	7.992	7.992	0.000	94	8142	5.00	4.68	
86 n-Butyl acetate	43	8.107	8.098	0.009	94	4860	1.00	1.03	
87 Chlorodibromomethane	129	8.156	8.156	0.000	87	3285	1.00	0.9662	
88 Ethylene Dibromide	107	8.312	8.312	0.000	88	2700	1.00	1.03	
* 89 Chlorobenzene-d5	117	8.863	8.863	0.001	87	387519	50.0	50.0	
90 Chlorobenzene	112	8.895	8.904	-0.009	92	9944	1.00	1.03	
91 Ethylbenzene	106	9.002	9.002	0.000	98	6182	1.00	1.14	
92 1,1,1,2-Tetrachloroethane	131	9.010	9.019	-0.009	42	4038	1.00	1.00	
93 m-Xylene & p-Xylene	106	9.150	9.158	-0.008	94	7619	1.00	1.11	
94 n-Butyl acrylate	73	9.577	9.577	0.000	54	2282	1.00	0.8561	
95 o-Xylene	106	9.586	9.594	-0.008	95	8382	1.00	1.16	
96 Styrene	104	9.619	9.618	0.001	97	12053	1.00	1.05	
97 Amyl acetate (mixed isomer	43	9.799	9.791	0.008	92	5951	1.00	0.8077	
98 Bromoform	173	9.816	9.816	0.000	79	2671	1.00	0.9702	
99 Isopropylbenzene	105	9.923	9.931	-0.008	95	19278	1.00	1.02	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	95	231097	50.0	51.3	
101 Bromobenzene	156	10.218	10.218	0.000	89	5773	1.00	1.07	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	96	4872	1.00	1.12	
103 N-Propylbenzene	91	10.276	10.276	0.000	99	22756	1.00	1.01	
104 1,2,3-Trichloropropane	110	10.292	10.300	-0.008	79	1581	1.00	1.21	
105 trans-1,4-Dichloro-2-buten	53	10.301	10.309	-0.008	68	1002	1.00	0.7611	
106 2-Chlorotoluene	91	10.366	10.366	0.000	96	17283	1.00	1.12	
107 4-Ethyltoluene	105	10.374	10.374	0.000	90	15248	1.00	0.8737	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	95	18224	1.00	1.05	
109 4-Chlorotoluene	91	10.457	10.457	0.000	98	15227	1.00	1.09	
110 Butyl Methacrylate	87	10.498	10.506	-0.008	93	5750	1.00	0.9383	
111 tert-Butylbenzene	119	10.654	10.662	-0.008	95	14160	1.00	1.02	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	96	19226	1.00	1.05	
113 sec-Butylbenzene	105	10.810	10.818	-0.008	98	20183	1.00	0.9349	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	97	18593	1.00	0.9439	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	78	11452	1.00	1.08	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	96	281019	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.983	10.982	0.001	93	12942	1.00	1.18	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	14552	1.00	0.8085	
118 Benzyl chloride	91	11.089	11.089	0.000	99	9386	1.00	1.00	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	94	15903	1.00	0.8955	
120 p-Diethylbenzene	119	11.172	11.163	0.009	91	9691	1.00	0.8984	
121 n-Butylbenzene	92	11.188	11.180	0.008	98	9899	1.00	0.99	
122 1,2-Dichlorobenzene	146	11.237	11.229	0.008	93	10480	1.00	1.04	
123 1,2,4,5-Tetramethylbenzene	119	11.648	11.640	0.008	96	14204	1.00	0.7959	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.722	0.000	56	860	1.00	1.02	
125 1,3,5-Trichlorobenzene	180	11.812	11.804	0.008	93	7715	1.00	0.9384	
126 1,2,4-Trichlorobenzene	180	12.223	12.215	0.008	87	8212	1.00	1.03	
127 Hexachlorobutadiene	225	12.289	12.281	0.008	91	3898	1.00	0.9503	
128 Naphthalene	128	12.396	12.388	0.008	98	15502	1.00	1.11	
129 1,2,3-Trichlorobenzene	180	12.560	12.552	0.008	92	7415	1.00	0.9825	
S 130 1,2-Dichloroethene, Total	100				0		2.00	2.32	
S 131 Xylenes, Total	100				0		2.00	2.26	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00189	Amount Added:	1.00	Units: uL	
MIX I Hi_00071	Amount Added:	1.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	1.00	Units: uL	
ACROLEIN W_00062	Amount Added:	4.00	Units: uL	
14DIOXINTER_00067	Amount Added:	30.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 24-Mar-2017 17:01:11 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6 Operator ID:

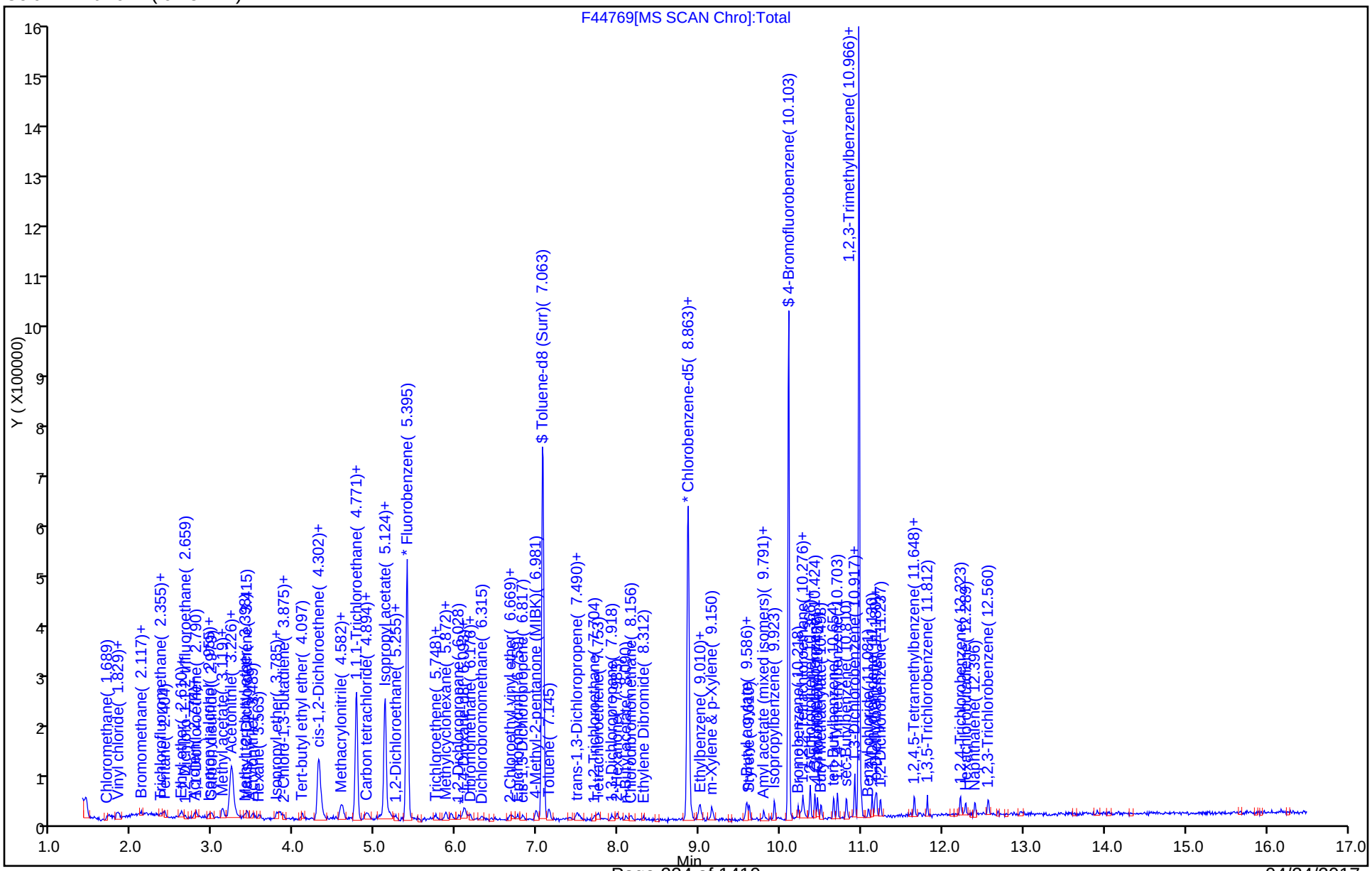
Lims ID: STD1 Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 16

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

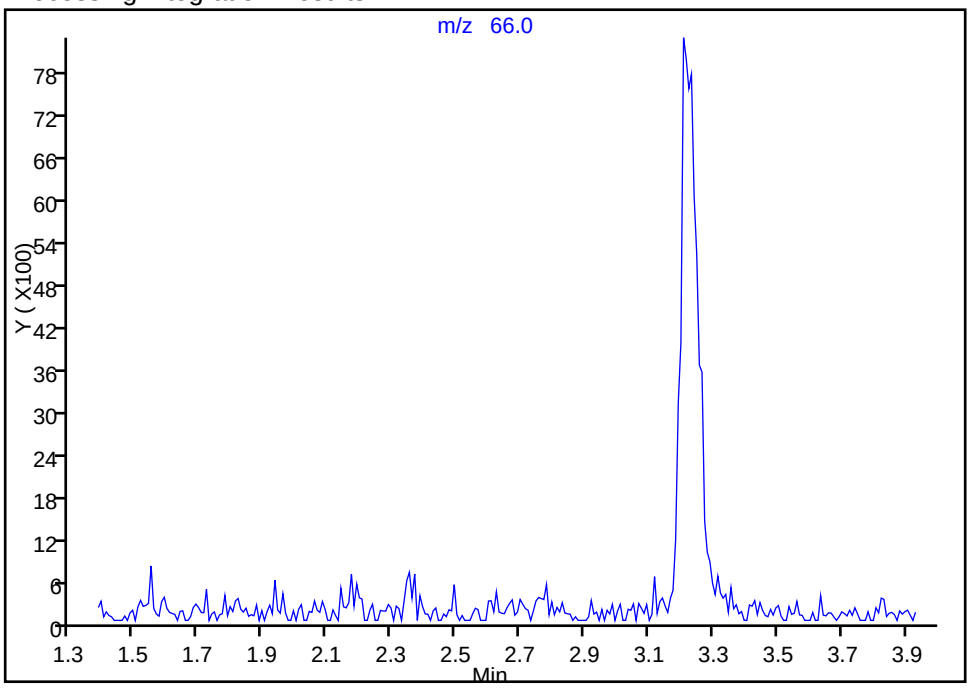
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Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

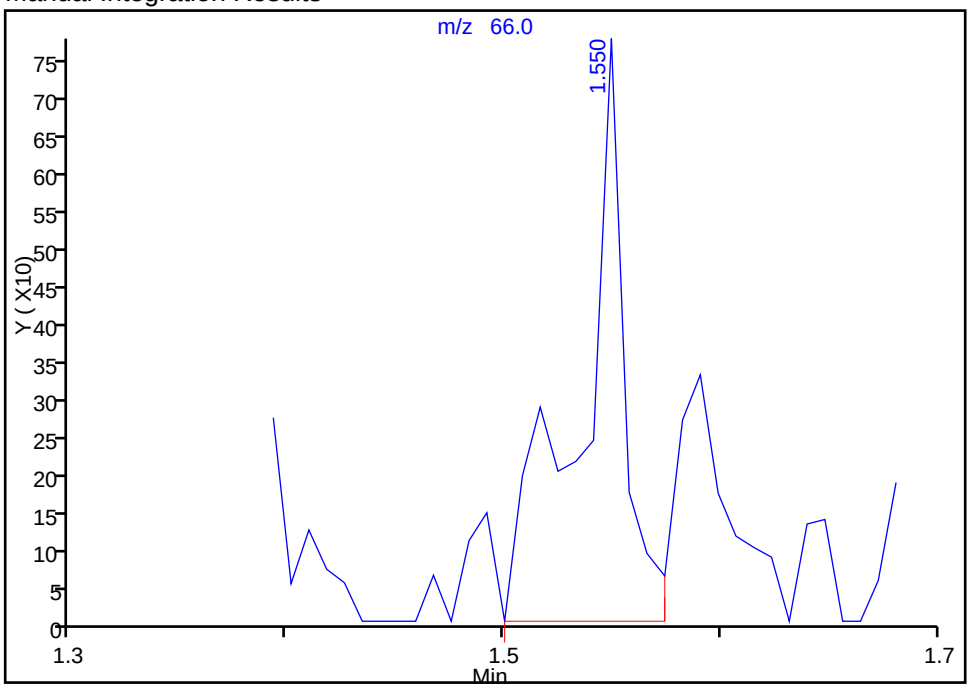
Not Detected
Expected RT: 1.53

Processing Integration Results



Manual Integration Results

RT: 1.55
Area: 1095
Amount: 1.263432
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

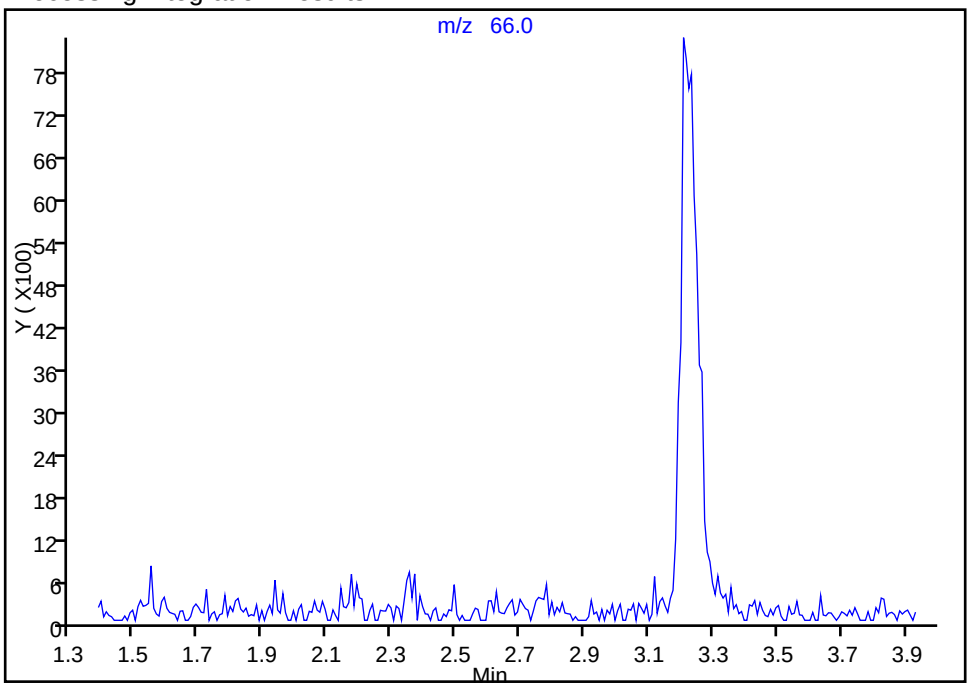
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Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

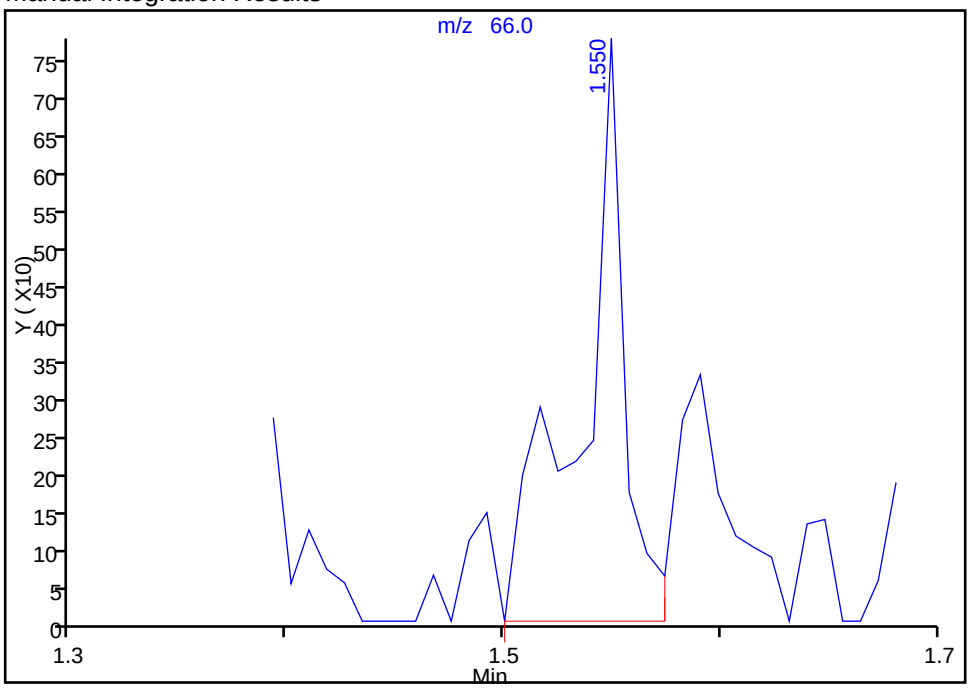
Not Detected
Expected RT: 1.53

Processing Integration Results



Manual Integration Results

RT: 1.55
Area: 1095
Amount: 1.263432
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

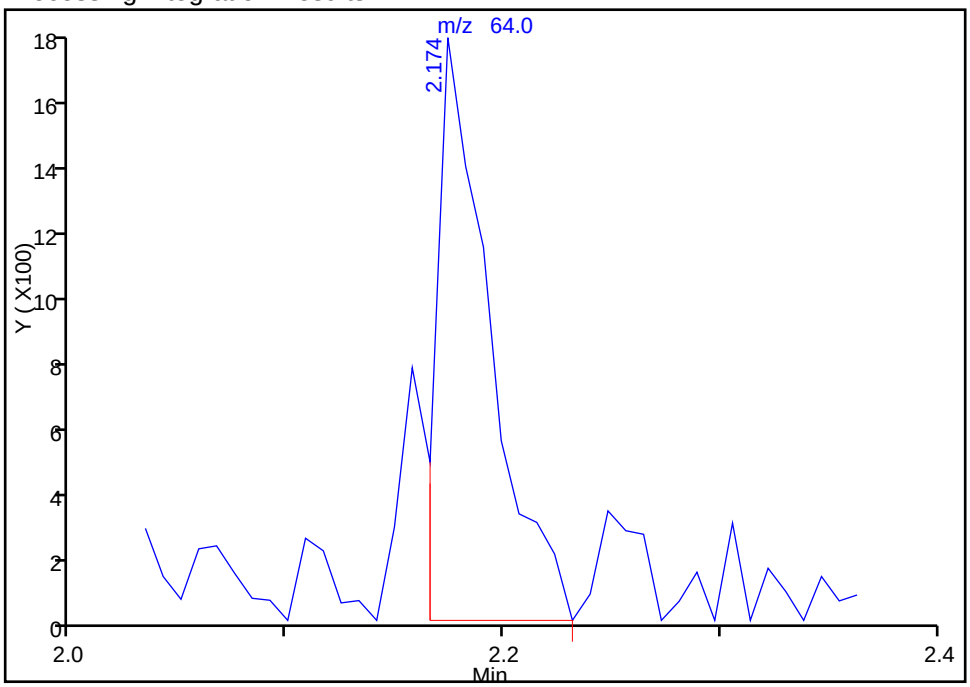
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Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Chloroethane, CAS: 75-00-3

Signal: 1

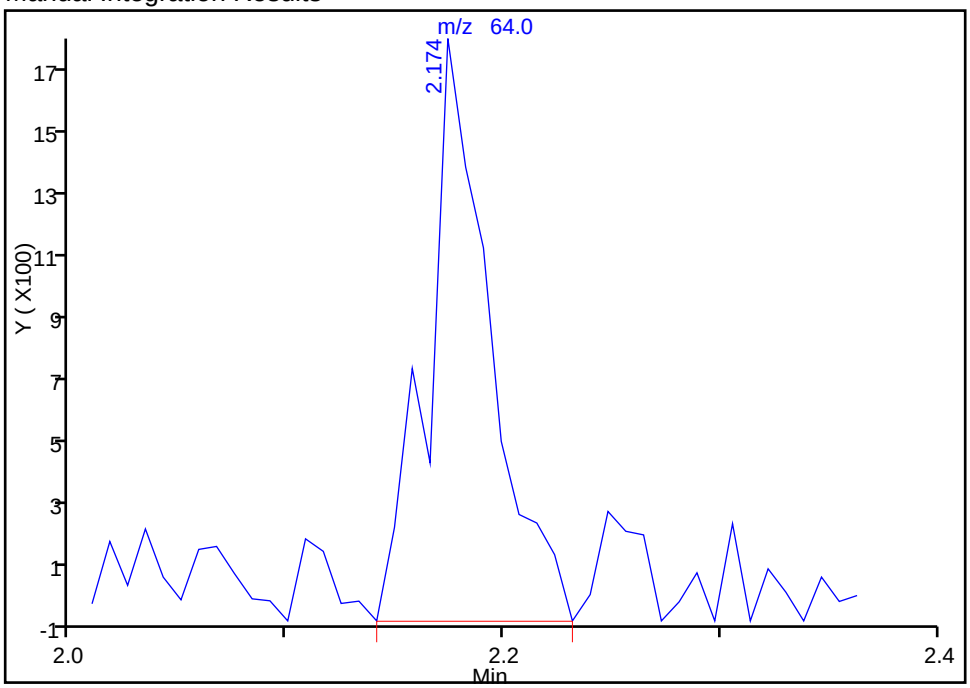
Processing Integration Results

RT: 2.17
Area: 3018
Amount: 1.007570
Amount Units: ug/l



Manual Integration Results

RT: 2.17
Area: 3542
Amount: 1.149009
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

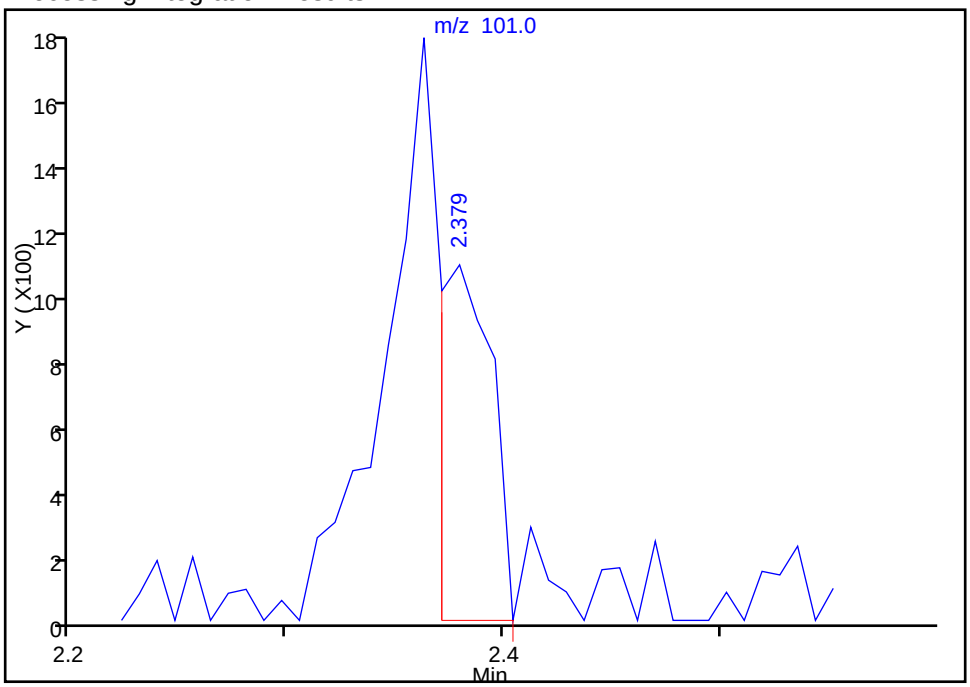
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Injection Date:	21-Mar-2017 11:24:30	Instrument ID:	CVOAMS6
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 17
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

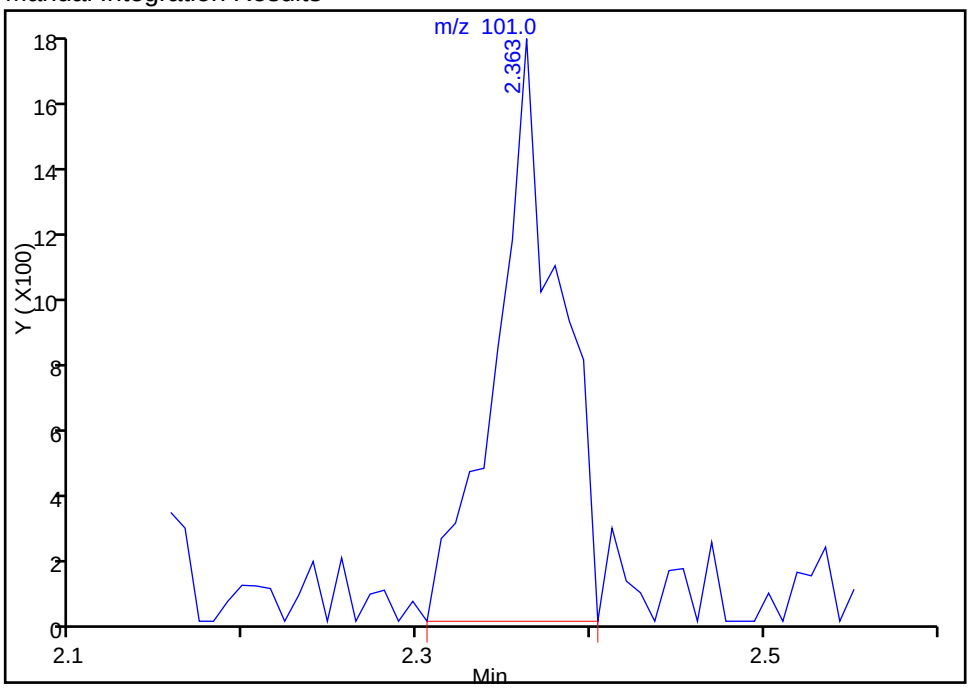
Processing Integration Results

RT: 2.38
Area: 1880
Amount: 0.298644
Amount Units: ug/l



Manual Integration Results

RT: 2.36
Area: 4479
Amount: 0.756457
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

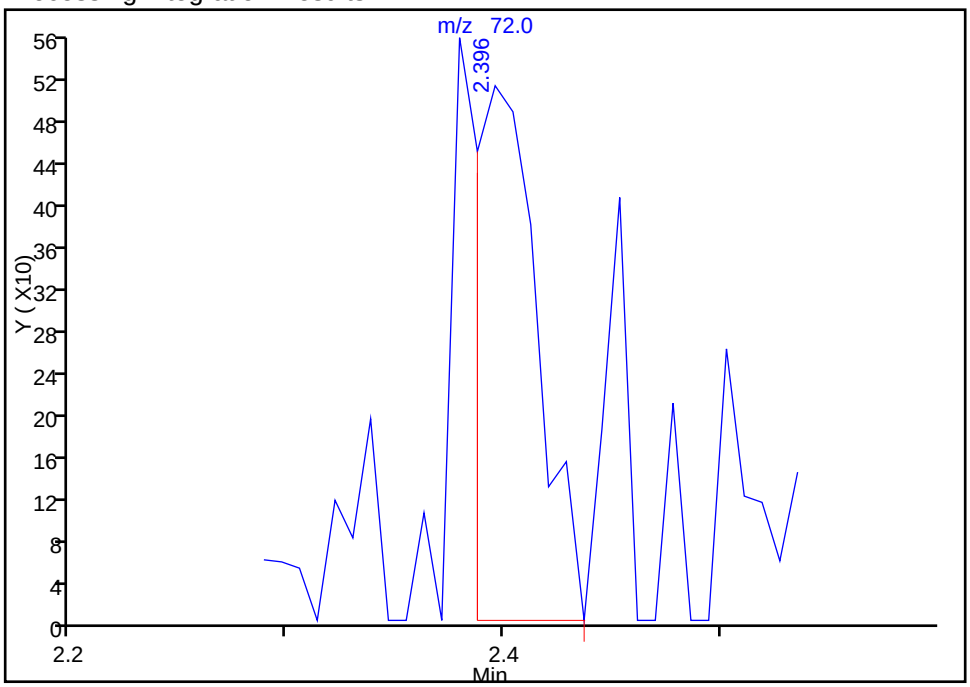
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Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

10 Pentane, CAS: 109-66-0

Signal: 1

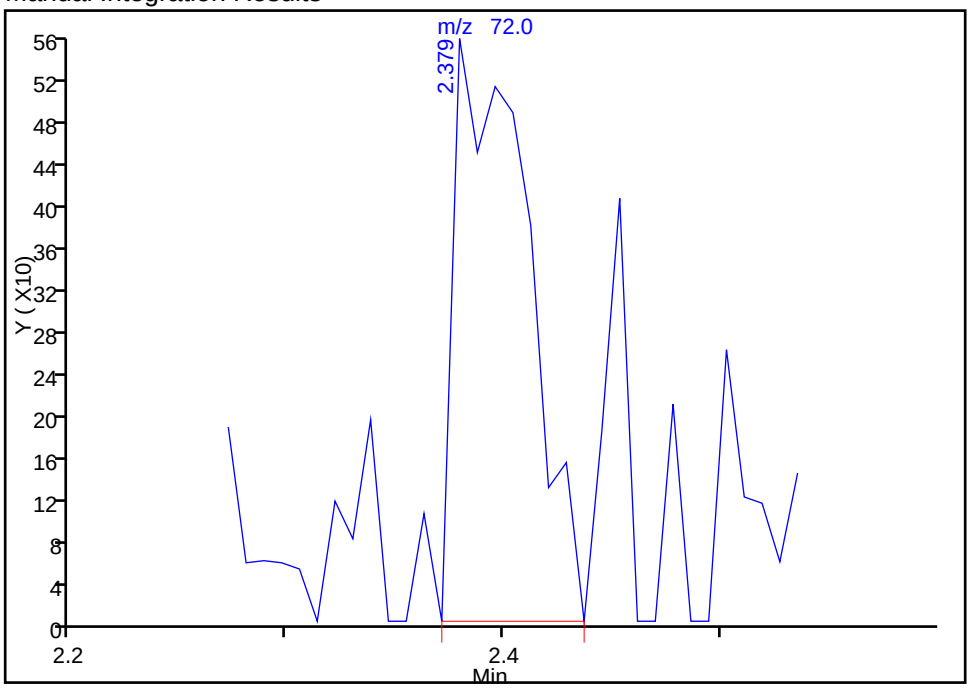
Processing Integration Results

RT: 2.40
Area: 1039
Amount: 1.847020
Amount Units: ug/l



Manual Integration Results

RT: 2.38
Area: 1314
Amount: 2.244449
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

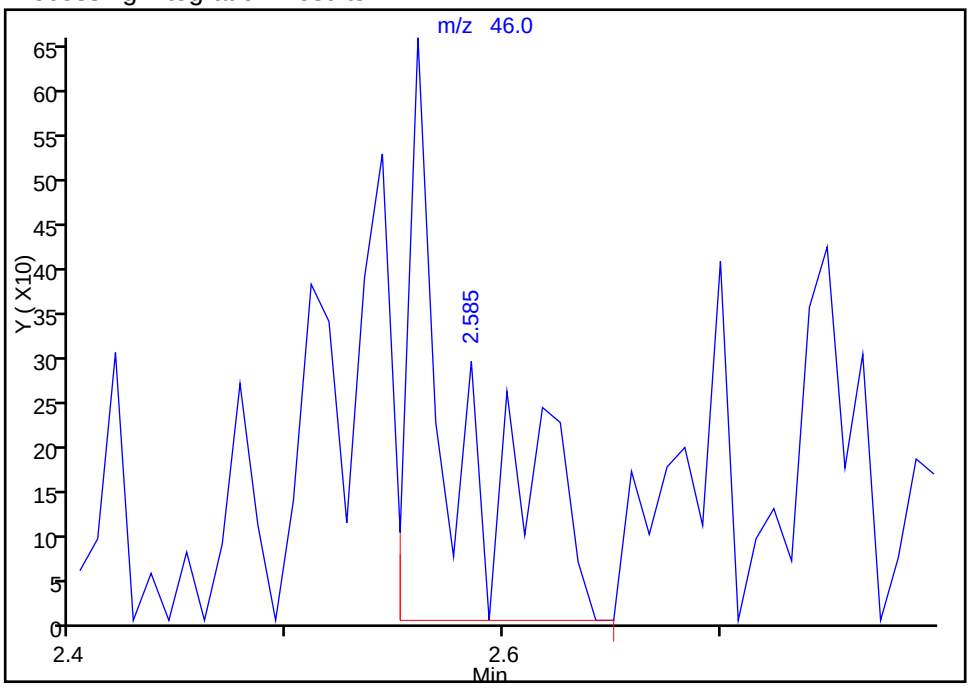
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Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

11 Ethanol, CAS: 64-17-5

Signal: 1

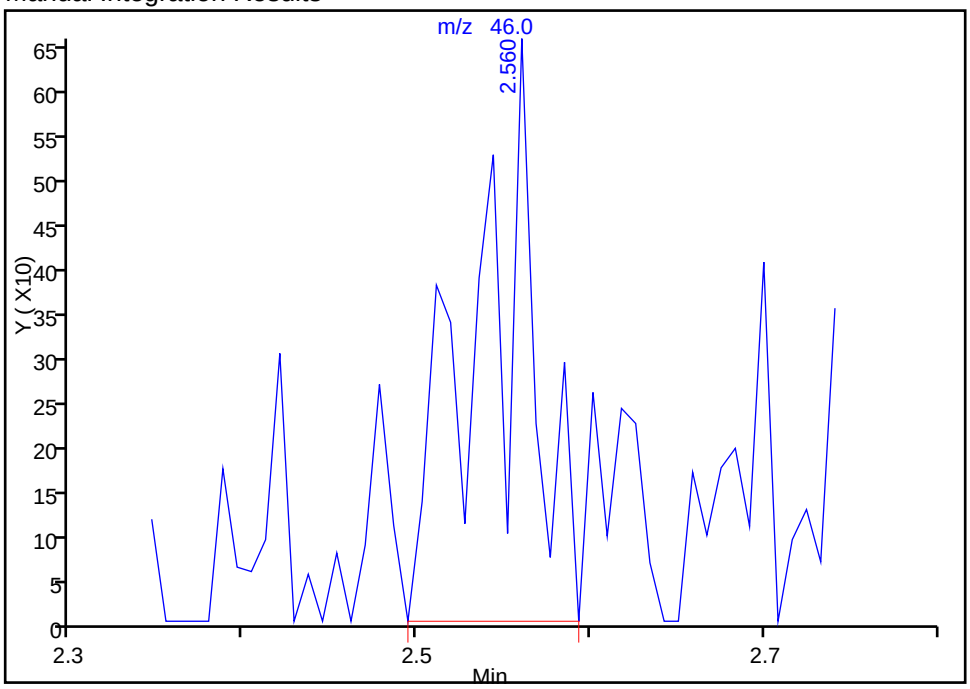
Processing Integration Results

RT: 2.58
Area: 1097
Amount: 87.159107
Amount Units: ug/l



Manual Integration Results

RT: 2.56
Area: 1586
Amount: 41.020049
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

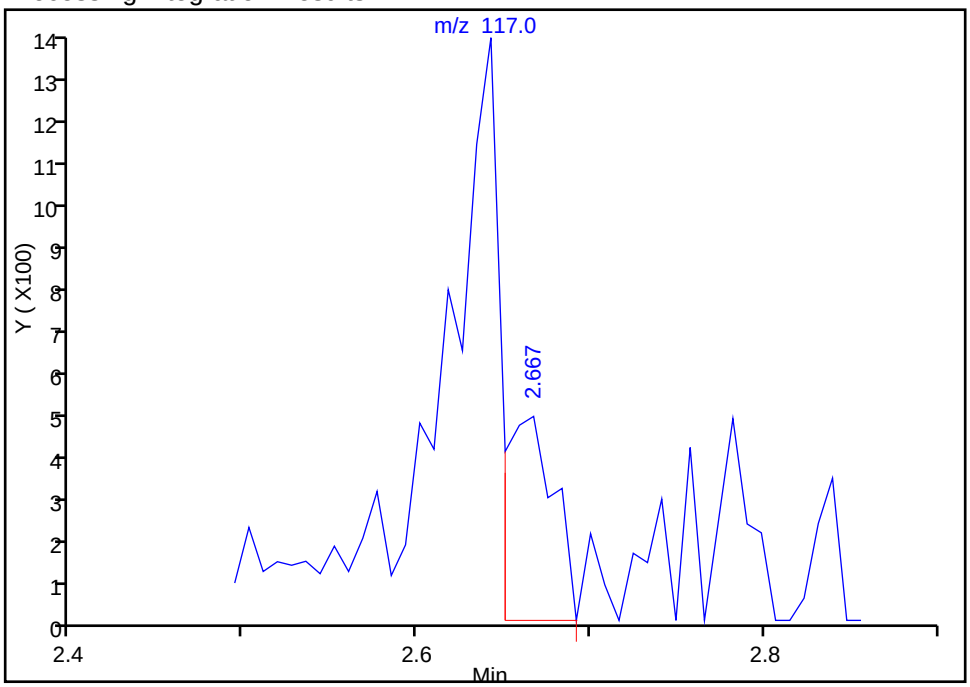
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Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Signal: 1

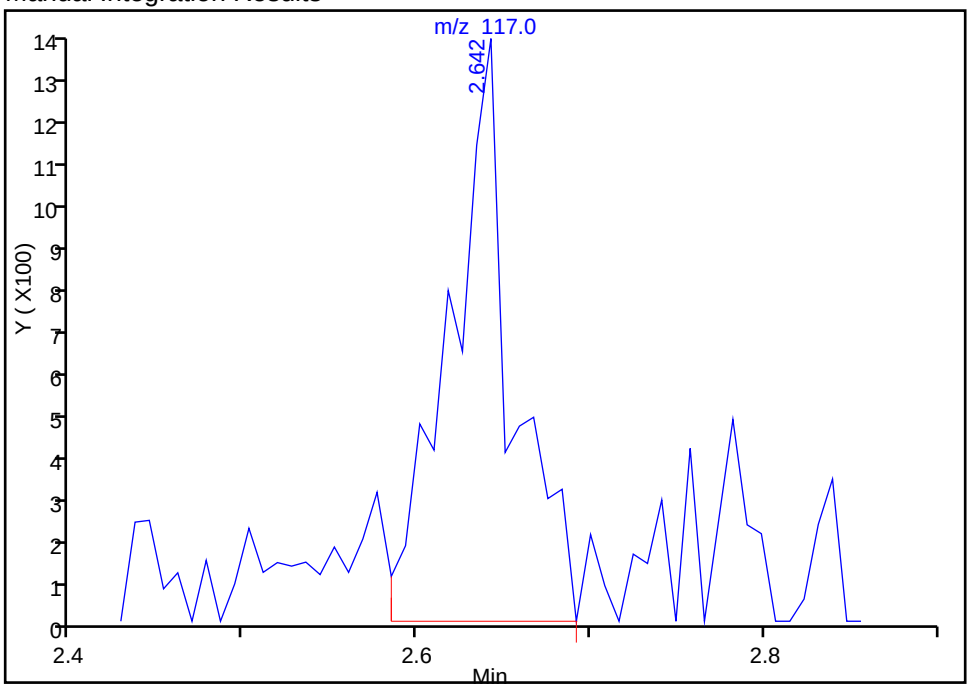
Processing Integration Results

RT: 2.67
Area: 913
Amount: 0.322396
Amount Units: ug/l



Manual Integration Results

RT: 2.64
Area: 3295
Amount: 1.186302
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

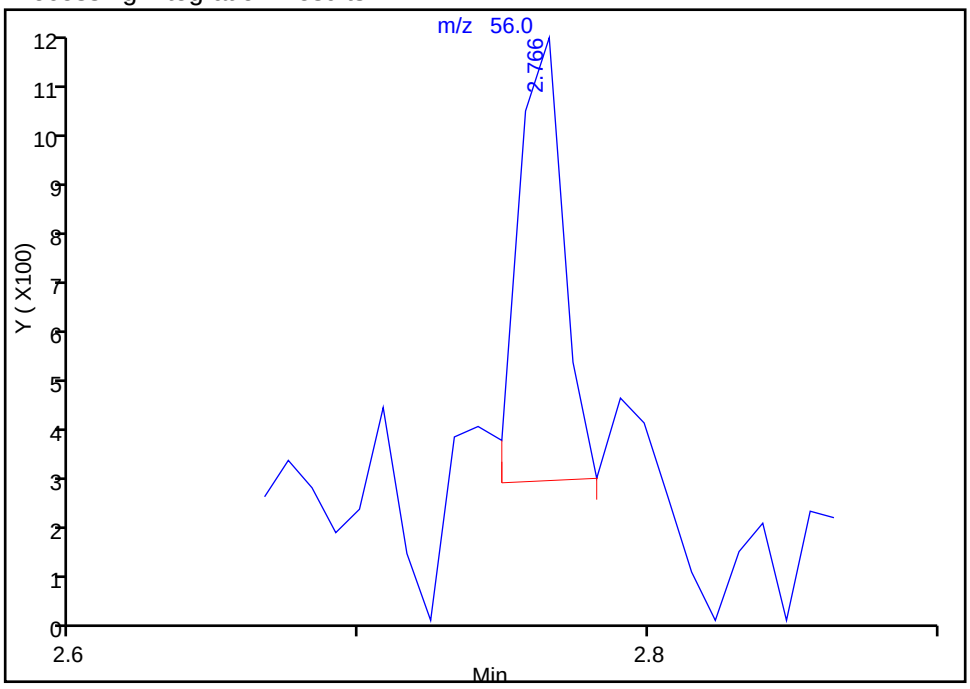
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Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Acrolein, CAS: 107-02-8

Signal: 1

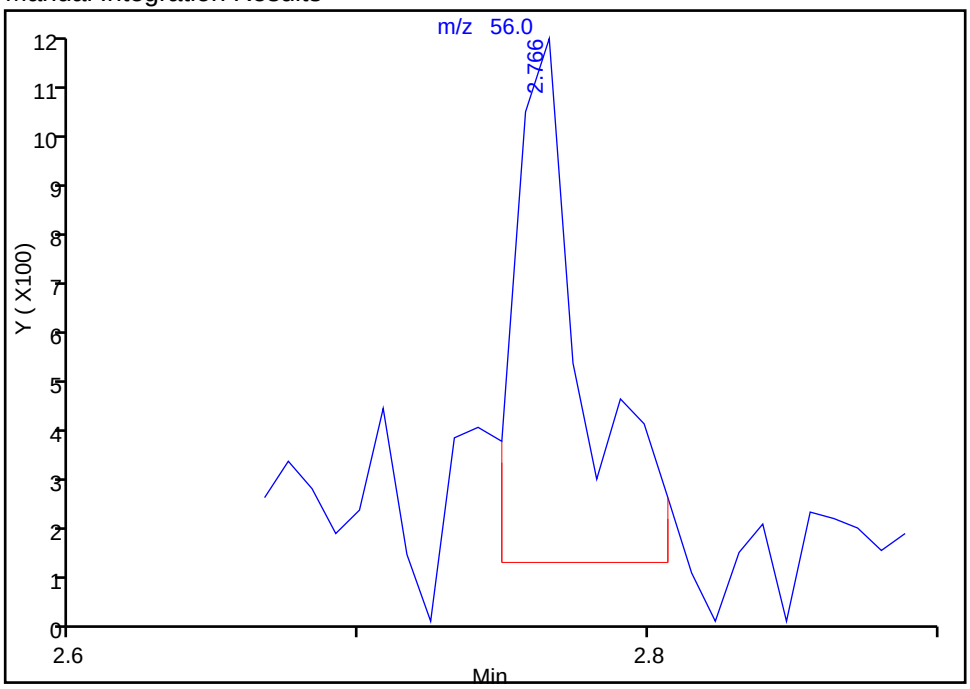
Processing Integration Results

RT: 2.77
Area: 963
Amount: 3.257739
Amount Units: ug/l



Manual Integration Results

RT: 2.77
Area: 1726
Amount: 4.527997
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

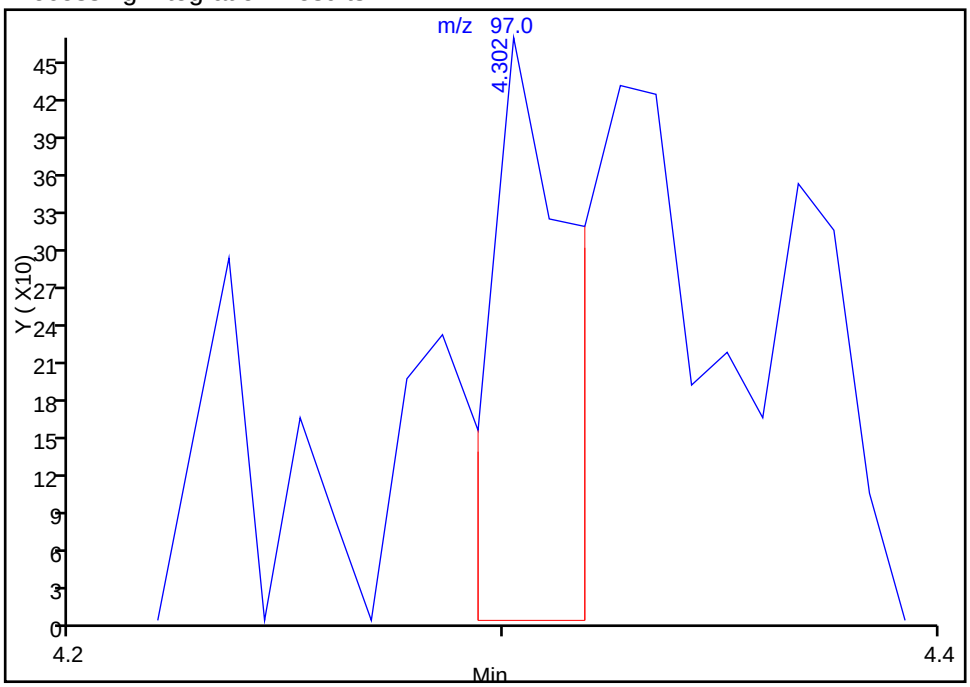
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Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

39 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

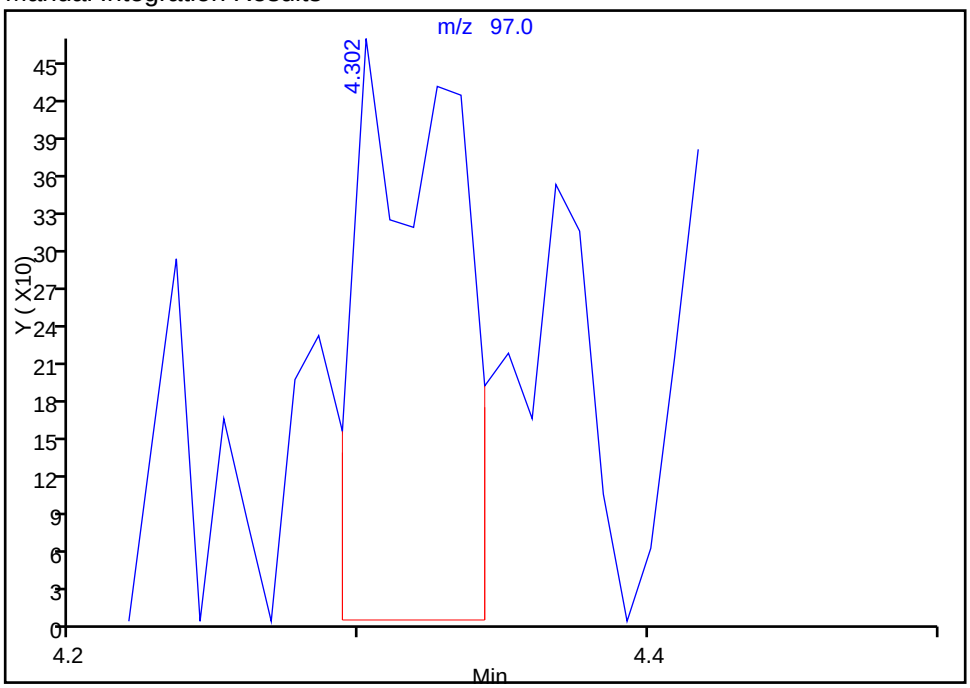
Processing Integration Results

RT: 4.30
Area: 614
Amount: 0.445556
Amount Units: ug/l



Manual Integration Results

RT: 4.30
Area: 1119
Amount: 0.870691
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

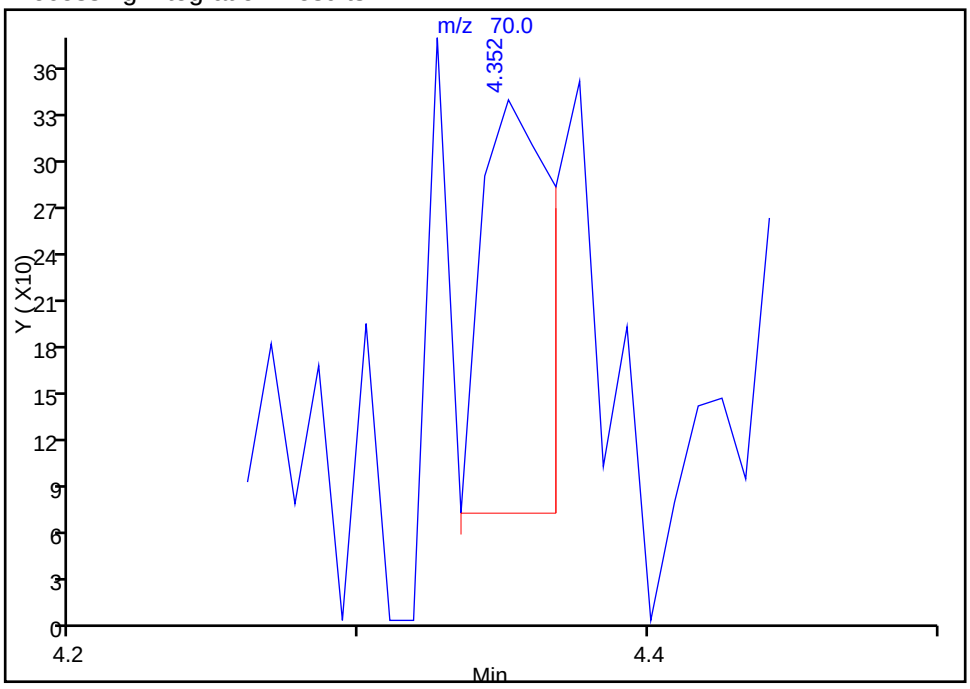
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Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

42 Ethyl acetate, CAS: 141-78-6

Signal: 1

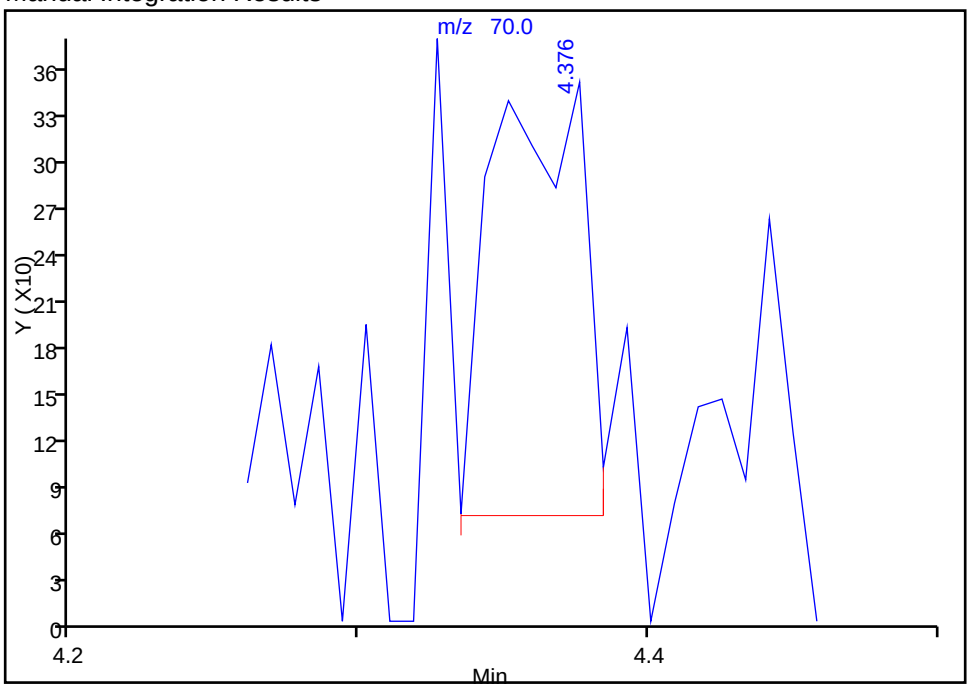
Processing Integration Results

RT: 4.35
Area: 458
Amount: 1.887060
Amount Units: ug/l



Manual Integration Results

RT: 4.38
Area: 614
Amount: 2.401199
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

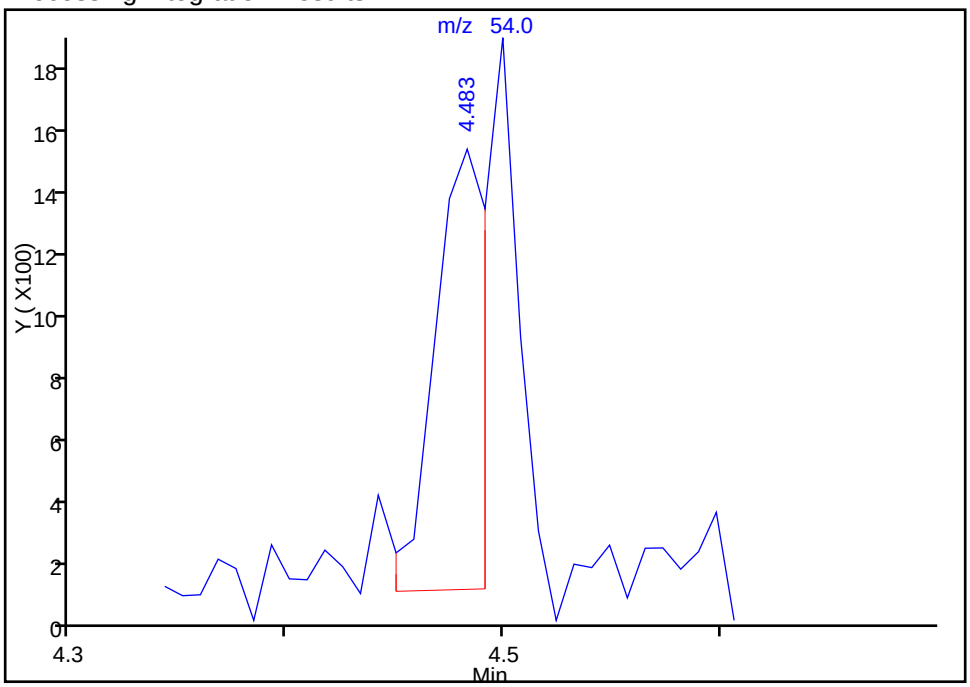
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Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

44 Propionitrile, CAS: 107-12-0

Signal: 1

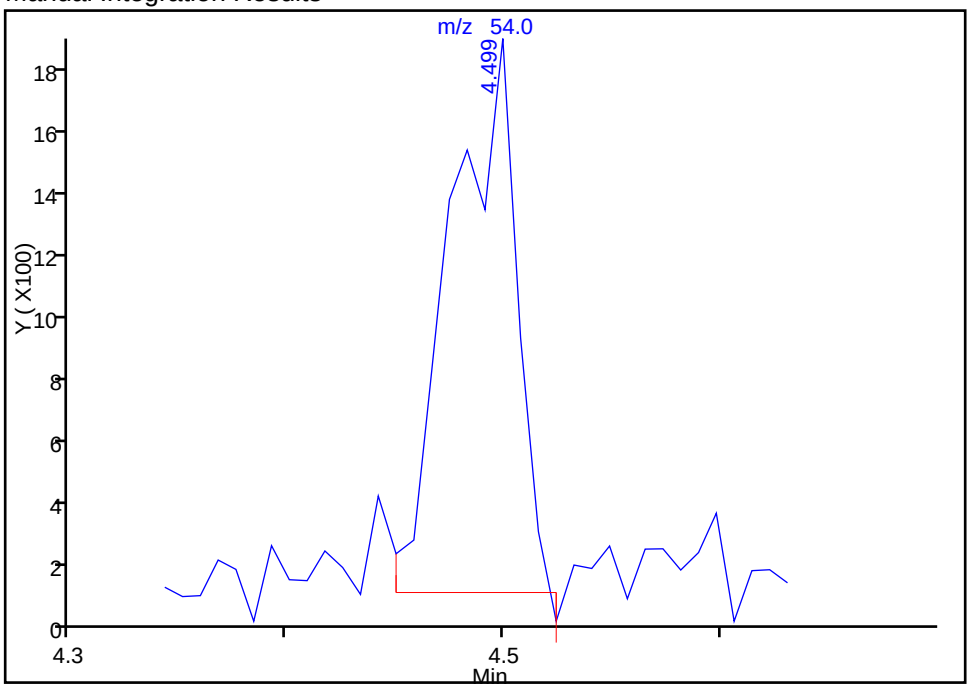
Processing Integration Results

RT: 4.48
Area: 2402
Amount: 6.978852
Amount Units: ug/l



Manual Integration Results

RT: 4.50
Area: 3744
Amount: 10.214177
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

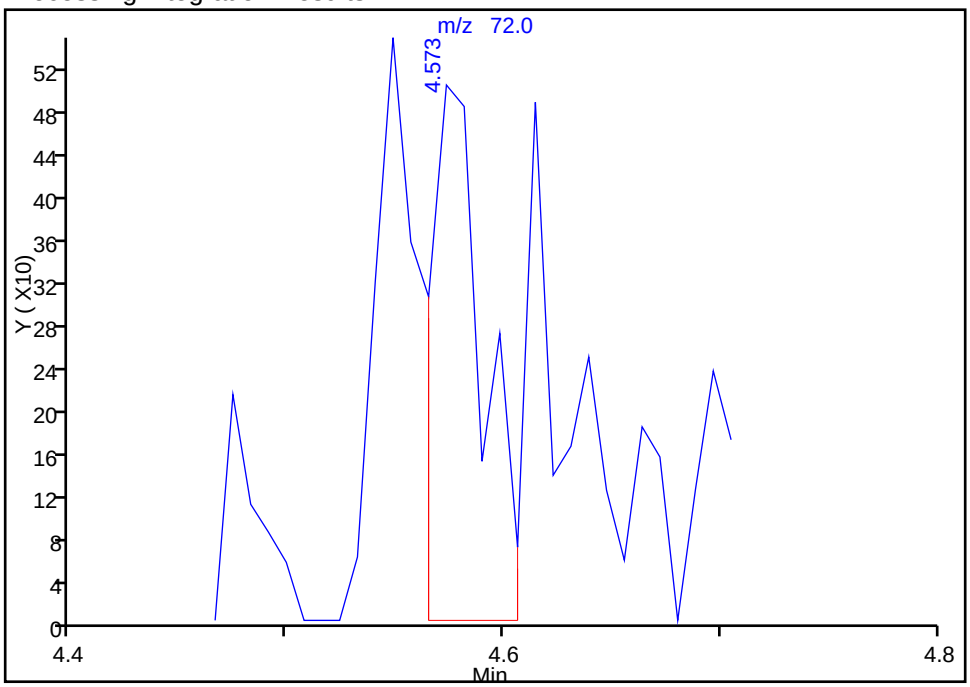
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Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

46 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

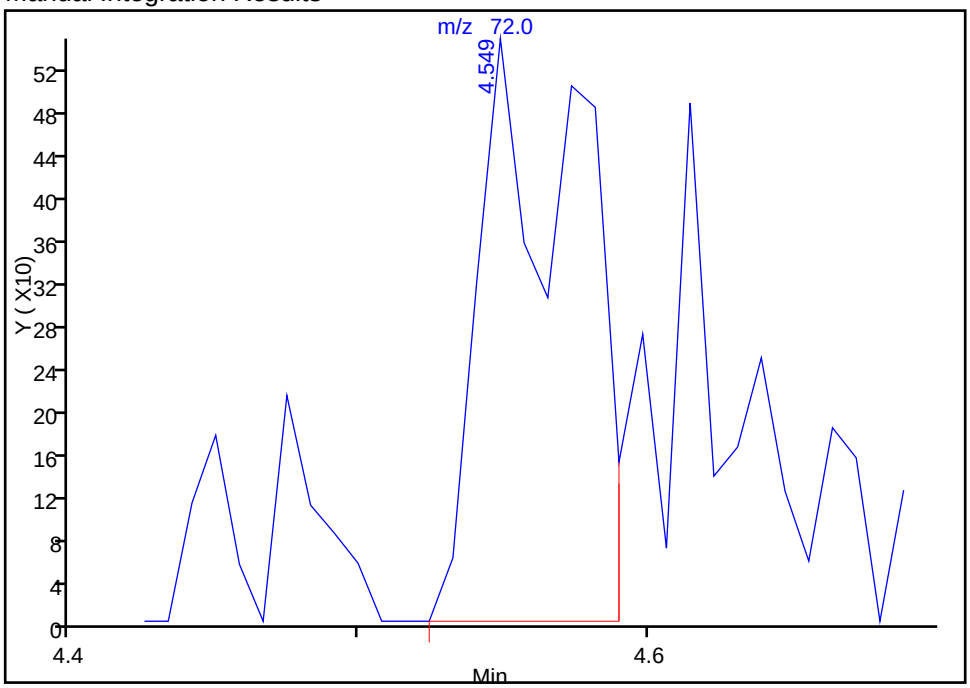
Processing Integration Results

RT: 4.57
Area: 868
Amount: 2.747575
Amount Units: ug/l



Manual Integration Results

RT: 4.55
Area: 1328
Amount: 2.035022
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

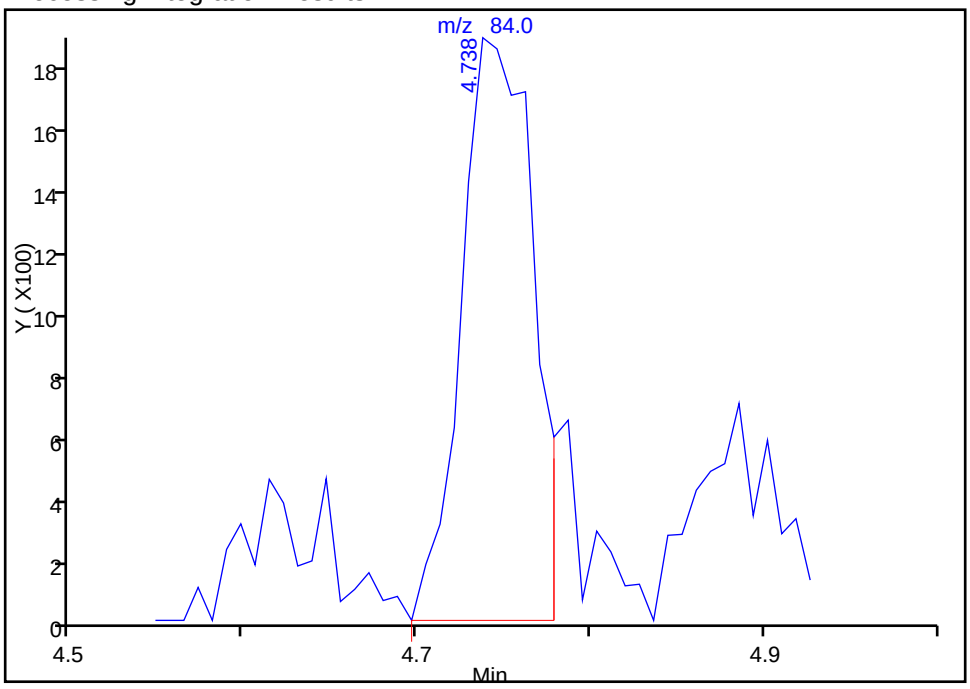
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D
Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

49 Cyclohexane, CAS: 110-82-7

Signal: 1

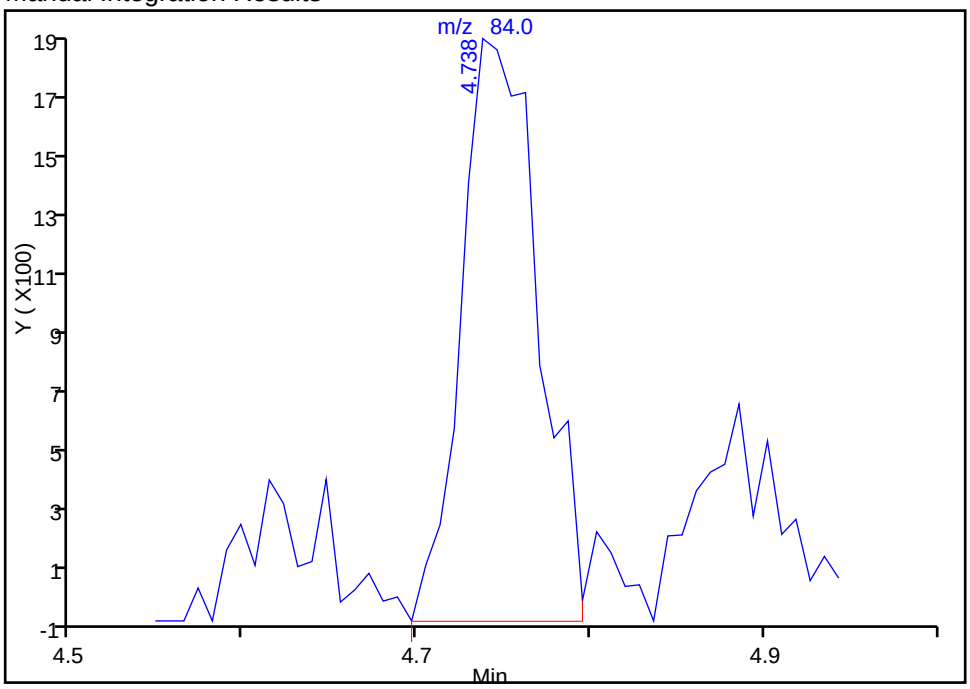
Processing Integration Results

RT: 4.74
Area: 5289
Amount: 0.978199
Amount Units: ug/l



Manual Integration Results

RT: 4.74
Area: 5636
Amount: 1.031345
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

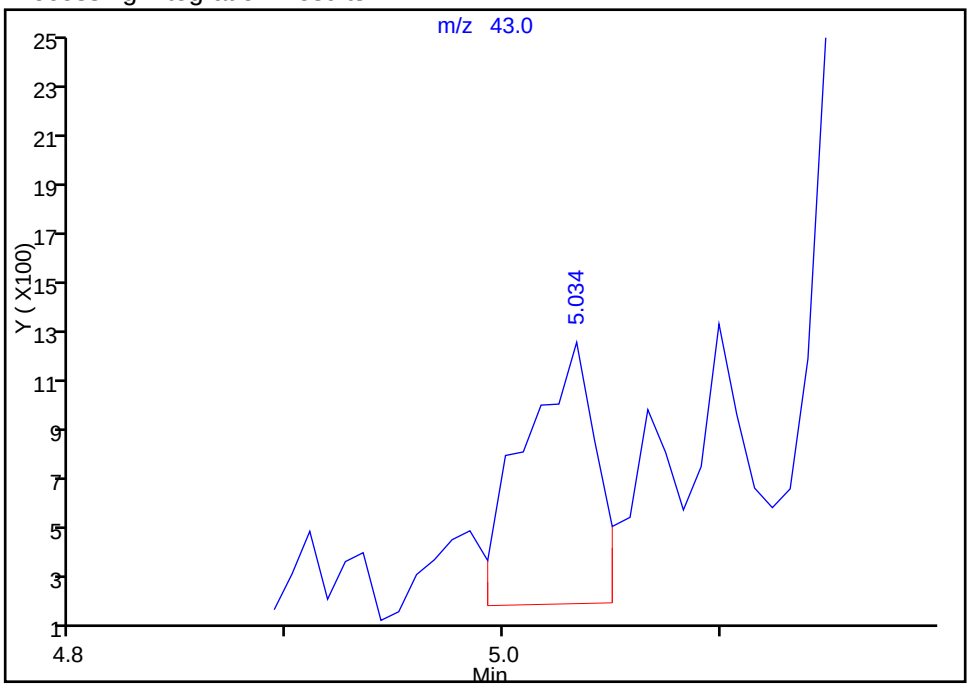
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Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

54 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

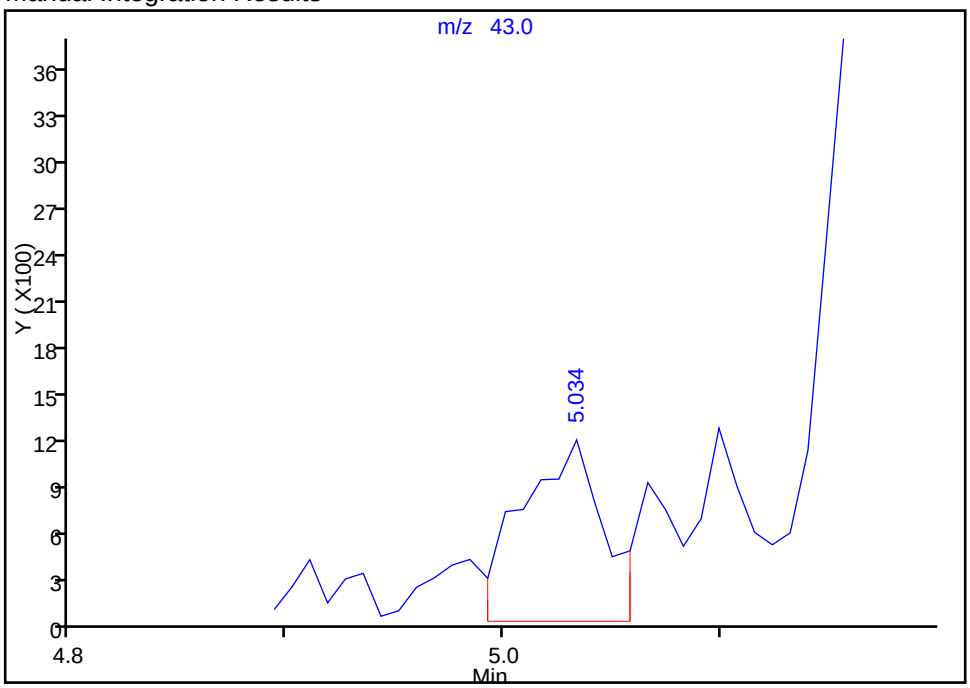
Processing Integration Results

RT: 5.03
Area: 2418
Amount: 20.825062
Amount Units: ug/l



Manual Integration Results

RT: 5.03
Area: 3006
Amount: 22.205990
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

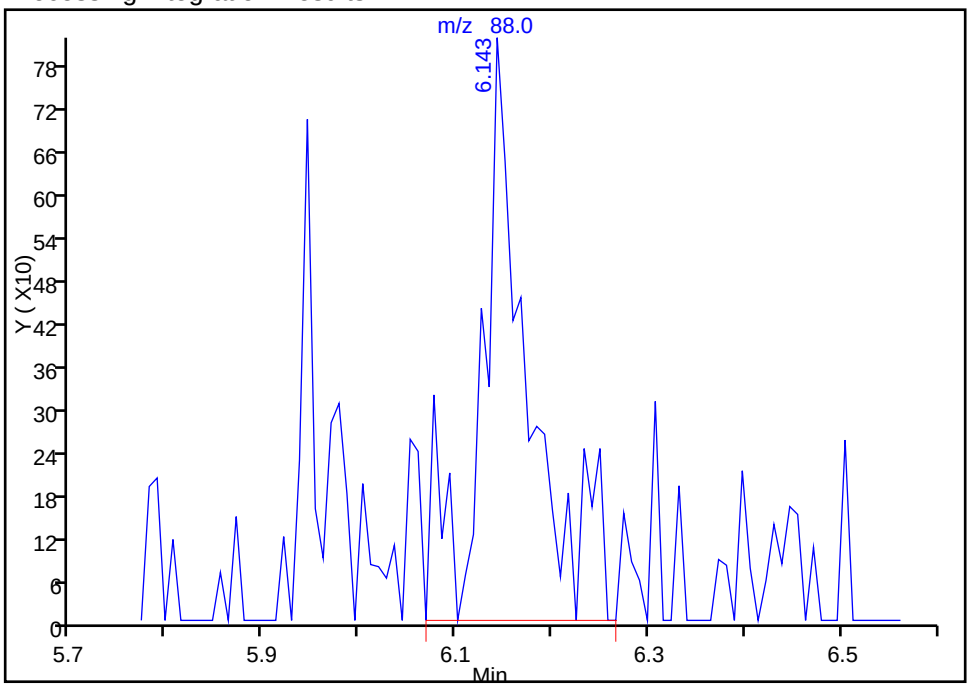
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D
Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

69 1,4-Dioxane, CAS: 123-91-1

Signal: 1

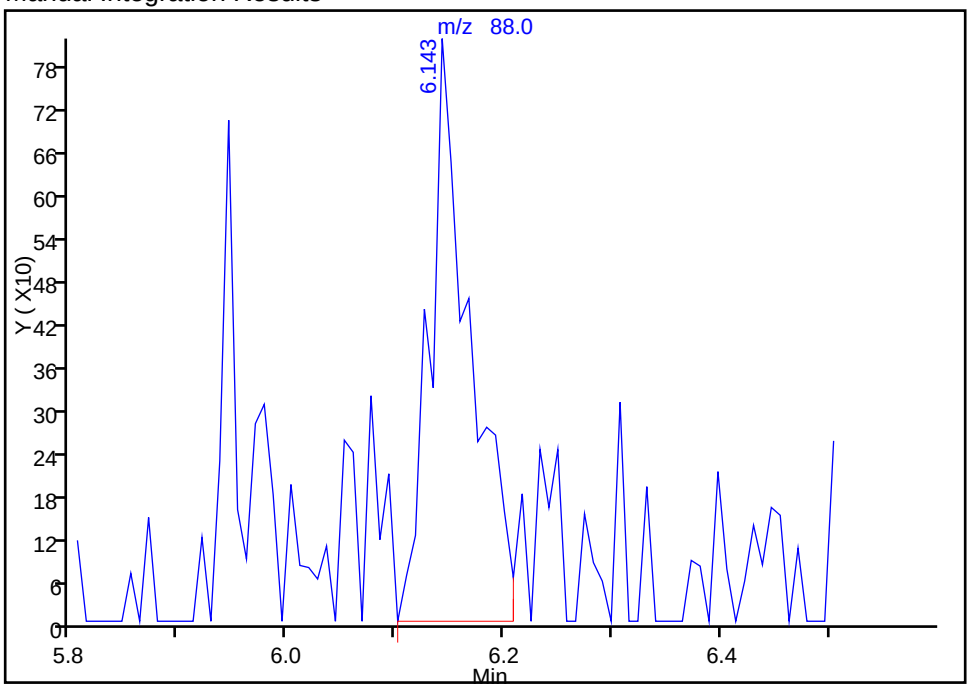
Processing Integration Results

RT: 6.14
Area: 2819
Amount: 111.2908
Amount Units: ug/l



Manual Integration Results

RT: 6.14
Area: 2104
Amount: 82.957831
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Split an Integrated Peak Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

TestAmerica Edison

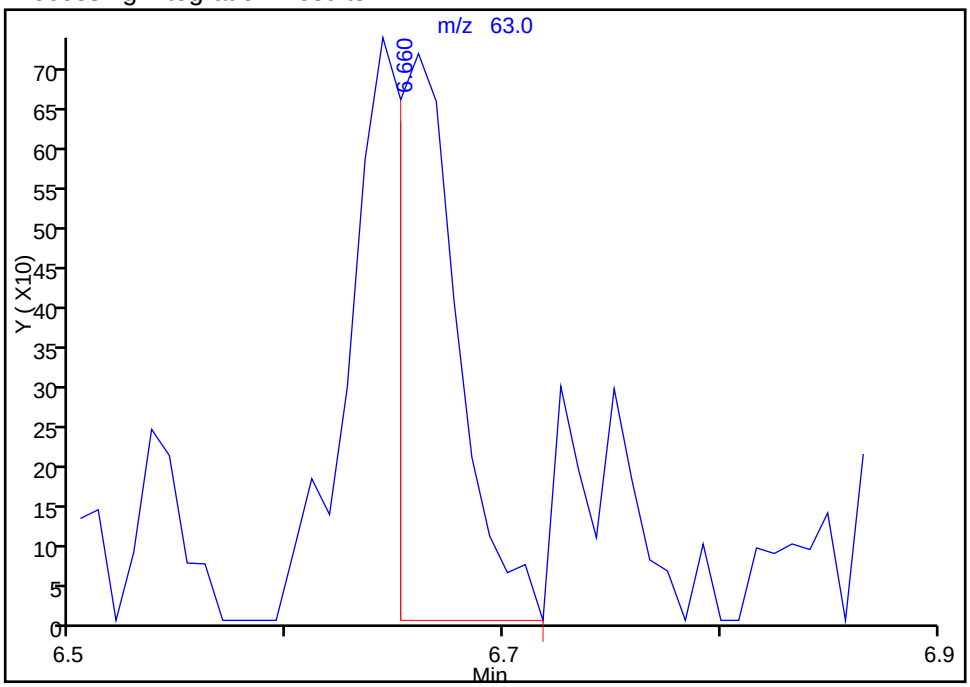
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D
Injection Date: 21-Mar-2017 11:24:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

74 2-Chloroethyl vinyl ether, CAS: 110-75-8

Signal: 1

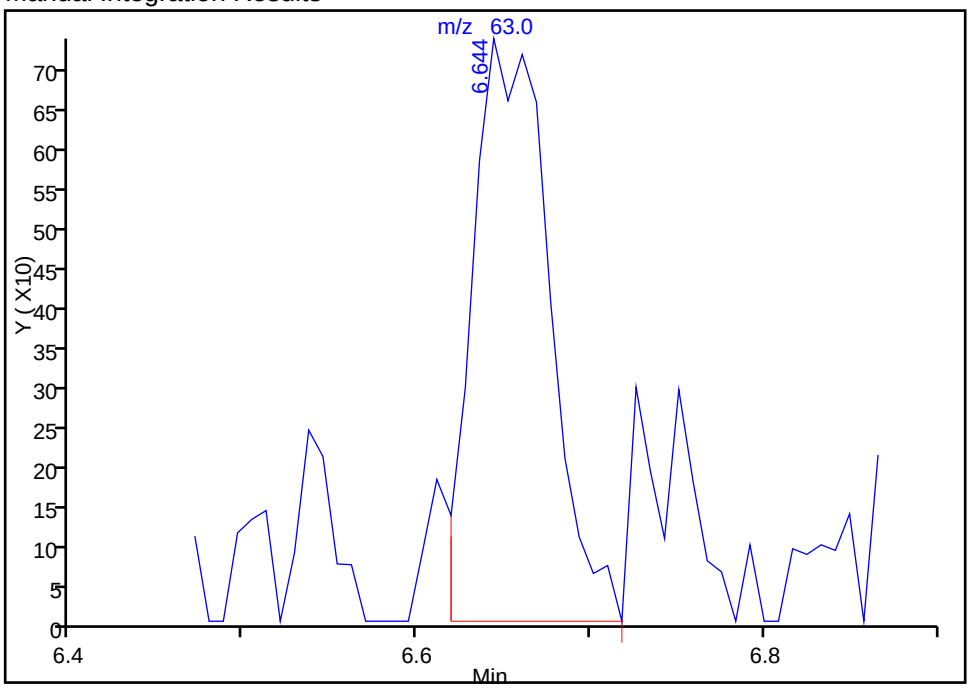
Processing Integration Results

RT: 6.66
Area: 1410
Amount: 0.796770
Amount Units: ug/l



Manual Integration Results

RT: 6.64
Area: 2266
Amount: 1.184954
Amount Units: ug/l



Reviewer: delpolitov, 24-Mar-2017 17:01:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-430992/4	F45943.D
Level 2	STD1 460-430992/5	F45944.D
Level 3	STD5 460-430992/6	F45945.D
Level 4	STD20 460-430992/7	F45946.D
Level 5	STD50 460-430992/8	F45947.D
Level 6	STD200 460-430992/9	F45948.D
Level 7	STD500 460-430992/10	F45949.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.0892	0.0946 0.0917	0.0709	0.0571	0.0878	Ave		0.0819				17.9		20.0			
Dichlorodifluoromethane	+++++ 0.5076	0.5091 0.5411	0.6144	0.5586	0.5358	Ave		0.5444			0.1000	7.2		20.0			
Chloromethane	+++++ 0.5492	0.7890 0.6500	0.6384	0.6584	0.6378	Ave		0.6538			0.1000	11.8		20.0			
Vinyl chloride	+++++ 0.4916	0.4653 0.5351	0.4588	0.5725	0.5297	Ave		0.5088			0.1000	8.7		20.0			
Butadiene	+++++ 0.3364	0.3410 0.3617	0.3391	0.3747	0.3422	Ave		0.3492				4.4		20.0			
Bromomethane	+++++ 0.3660	0.5678 0.4068	0.5143	0.4407	0.4010	Ave		0.4494			0.1000	17.1		20.0			
Chloroethane	+++++ 0.2731	0.3052 0.2981	0.2695	0.3079	0.2967	Ave		0.2917			0.1000	5.6		20.0			
Dichlorofluoromethane	+++++ 0.4307	0.6690 0.4827	0.5473	0.5045	0.4524	Ave		0.5144				16.7		20.0			
Trichlorofluoromethane	+++++ 0.5129	0.5368 0.5467	0.5732	0.5898	0.5464	Ave		0.5510			0.1000	4.9		20.0			
Pentane	+++++ 0.0504	0.1012 0.0455	0.0541	0.0566	0.0509	Qua2	0.1000	0.0502	-0.000004						0.9950		0.9900
Ethanol	+++++ 0.0518	0.0282 0.0667	0.0420	0.0389	0.0566	QuaF		0.0435	0.0000012						1.0000		0.9900
Ethyl ether	+++++ 0.2652	0.2704 0.2658	0.3295	0.2962	0.2763	Ave		0.2839				8.8		20.0			
2-Methyl-1,3-butadiene	+++++ 0.2741	0.3988 0.2633	0.3029	0.2650	0.2621	Ave		0.2944				18.1		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.2515	0.3313 0.2623	0.2731	0.2083	0.2690	Ave		0.2659				14.9		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

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 4	LVL 5		B	M1	M2								
Acrolein	+++++ 1.6120	1.9166 1.5645	2.0685	1.7152	1.4826	Ave		1.7266				13.0		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2351	0.3609 0.2491	0.2599	0.2091	0.2539	Ave		0.2613			0.1000	19.9		20.0			
1,1-Dichloroethene	+++++ 0.3112	0.4478 0.3123	0.3577	0.2845	0.3272	Ave		0.3401			0.1000	17.0		20.0			
Acetone	+++++ 1.7011	2.6665 1.6794	2.5207	1.9555	2.1770	Ave		2.1167			0.0500	19.6		20.0			
Iodomethane	+++++ 0.6799	0.6645 0.7014	0.7656	0.5976	0.6502	Ave		0.6765				8.3		20.0			
Isopropyl alcohol	+++++ 0.7169	1.0279 0.7128	0.8806	0.7813	0.7136	Ave		0.8055				15.8		20.0			
Carbon disulfide	+++++ 0.9957	1.1978 0.9946	1.2036	1.0244	1.0706	Ave		1.0811			0.1000	8.9		20.0			
Allyl chloride	+++++ 0.6645	0.6091 0.5986	0.8225	0.6665	0.6772	Ave		0.6731				11.9		20.0			
Methyl acetate	+++++ 0.2050	0.2279 0.2037	0.2320	0.2264	0.2181	Ave		0.2189			0.1000	5.5		20.0			
Cyclopentene	+++++ 0.8287	0.9464 0.7864	0.8635	0.8765	0.8219	Ave		0.8539				6.5		20.0			
Acetonitrile	+++++ 0.0412	0.0593 0.0444	0.0331	0.0446	0.0459	Ave		0.0447				19.0		20.0			
Methylene Chloride	+++++ 0.3587	0.5709 0.3709	0.4769	0.3733	0.3834	Ave		0.4224			0.1000	20.0		20.0			
2-Methyl-2-propanol	+++++ 1.6057	2.2063 1.5094	1.7652	1.7777	1.7024	Ave		1.7611				13.7		20.0			
Methyl tert-butyl ether	+++++ 0.7441	0.8172 0.7368	0.9664	0.8571	0.8271	Ave		0.8248			0.1000	10.2		20.0			
trans-1,2-Dichloroethene	+++++ 0.4013	0.5323 0.4097	0.5266	0.4216	0.4168	Ave		0.4514			0.1000	13.5		20.0			
Acrylonitrile	0.1366 0.1093	0.1104 0.1119	0.1318	0.1226	0.1162	Ave		0.1198				9.1		20.0			
Hexane	+++++ 0.3083	0.3465 0.3148	0.2861	0.3032	0.3370	Ave		0.3160				7.1		20.0			
Isopropyl ether	+++++ 0.9839	1.2211 0.8982	1.2737	1.1219	1.0936	Ave		1.0987				12.8		20.0			
1,1-Dichloroethane	+++++ 0.6681	0.7713 0.6845	0.8266	0.7204	0.7071	Ave		0.7297			0.2000	8.1		20.0			
Vinyl acetate	+++++ 0.0728	0.0630 0.0793	0.0877	0.0777	0.0706	Ave		0.0752				11.2		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

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 4	LVL 5		B	M1	M2								
2-Chloro-1,3-butadiene	+++++ 0.3679	0.4167 0.3918	0.3876	0.3692	0.3501	Ave		0.3805				6.1		20.0			
Tert-butyl ethyl ether	+++++ 0.8304	1.0854 0.7422	1.1420	0.9906	0.9419	Ave		0.9554				15.8		20.0			
2,2-Dichloropropane	+++++ 0.1135	0.1536 0.1132	0.1548	0.1250	0.1179	Ave		0.1297				15.0		20.0			
cis-1,2-Dichloroethene	+++++ 0.4635	0.5417 0.4872	0.6049	0.5092	0.4750	Ave		0.5136			0.1000	10.2		20.0			
Ethyl acetate	+++++ 0.6621	1.9835 0.6760	0.8946	0.7441	0.6948	Lin2	2.6315	0.6625							0.9990		0.9900
2-Butanone (MEK)	+++++ 0.7021	1.2438 0.7250	0.9523	0.7489	0.8152	Lin2	2.5218	0.7572			0.0500				0.9930		0.9900
Methyl acrylate	+++++ 0.2805	0.3215 0.2786	0.2681	0.2933	0.2969	Ave		0.2898				6.5		20.0			
Propionitrile	+++++ 0.0395	0.0483 0.0437	0.0499	0.0446	0.0427	Ave		0.0448				8.4		20.0			
Chlorobromomethane	+++++ 0.2352	0.3168 0.2550	0.2797	0.2444	0.2414	Ave		0.2621				11.9		20.0			
Tetrahydrofuran	+++++ 0.8500	2.1685 0.8316	1.2537	0.9037	0.9238	Lin2	2.6289	0.8755							0.9940		0.9900
Methacrylonitrile	+++++ 0.1313	0.1332 0.1324	0.1398	0.1396	0.1344	Ave		0.1351				2.7		20.0			
Chloroform	+++++ 0.7118	0.9373 0.7385	0.8662	0.7932	0.7500	Ave		0.7995			0.2000	10.8		20.0			
Cyclohexane	+++++ 0.4565	0.4985 0.4410	0.4859	0.4436	0.5095	Ave		0.4725			0.1000	6.2		20.0			
1,1,1-Trichloroethane	+++++ 0.5724	0.7260 0.5525	0.7044	0.5993	0.6164	Ave		0.6285			0.1000	11.3		20.0			
Carbon tetrachloride	+++++ 0.5541	0.6209 0.5543	0.5978	0.5293	0.5838	Ave		0.5734			0.1000	5.9		20.0			
1,1-Dichloropropene	+++++ 0.5185	0.5660 0.5367	0.5563	0.5032	0.5305	Ave		0.5352				4.4		20.0			
Isobutyl alcohol	+++++ 0.8851	1.0723 0.8054	1.1915	0.9825	0.9461	Ave		0.9805				14.0		20.0			
Benzene	+++++ 1.6201	2.0065 1.4839	2.1806	1.8279	1.7440	Ave		1.8105			0.5000	14.0		20.0			
Isopropyl acetate	+++++ 0.9797	0.8444 0.9336	1.1062	1.0898	1.0142	Ave		0.9946				9.9		20.0			
Tert-amyl methyl ether	+++++ 0.9919	1.1955 0.8793	1.2443	1.1409	1.1227	Ave		1.0958				12.4		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

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 4	LVL 5		B	M1	M2								
1,2-Dichloroethane	+++++ 0.5398	0.7191 0.5529	0.6746	0.5774	0.5677	Ave		0.6053			0.1000	12.1		20.0			
n-Heptane	+++++ 0.2757	0.2242 0.2765	0.2629	0.2676	0.3042	Ave		0.2685				9.7		20.0			
n-Butanol	+++++ 0.4016	0.4381 0.4079	0.4898	0.4168	0.3861	Ave		0.4234				8.7		20.0			
Trichloroethene	+++++ 0.4081	0.5234 0.4366	0.4901	0.4170	0.4098	Ave		0.4475			0.2000	10.8		20.0			
Ethyl acrylate	+++++ 0.8168	0.7572 0.7975	0.7848	0.8357	0.8789	Ave		0.8118				5.2		20.0			
Methylcyclohexane	+++++ 0.6235	0.5591 0.5811	0.6247	0.6237	0.7101	Ave		0.6204			0.1000	8.3		20.0			
1,2-Dichloropropane	+++++ 0.3712	0.4142 0.3830	0.4448	0.3748	0.3749	Ave		0.3938			0.1000	7.5		20.0			
Methyl methacrylate	+++++ 0.1010	0.0972 0.1106	0.1121	0.0955	0.0993	Ave		0.1026				6.9		20.0			
1,4-Dioxane	+++++ 1.2675	1.9514 +++++	1.7517	1.7219	1.5731	Ave		1.6531				15.4		20.0			
n-Propyl acetate	+++++ 0.4245	0.4664 0.4411	0.4365	0.4093	0.4098	Ave		0.4313				5.0		20.0			
Dibromomethane	+++++ 0.2549	0.3165 0.2657	0.3216	0.2601	0.2558	Ave		0.2791				11.2		20.0			
Dichlorobromomethane	+++++ 0.5349	0.5625 0.5636	0.5590	0.5112	0.5180	Ave		0.5415			0.2000	4.3		20.0			
2-Chloroethyl vinyl ether	+++++ 0.2014	0.1647 0.2266	0.2029	0.1853	0.1893	Ave		0.1950				10.6		20.0			
2-Nitropropane	+++++ 0.0940	0.1060 0.1018	0.0927	0.0856	0.0865	Ave		0.0945				8.6		20.0			
Epichlorohydrin	0.7906 0.5786	0.5725 0.5723	0.6028	0.6016	0.6181	Ave		0.6195				12.5		20.0			
cis-1,3-Dichloropropene	+++++ 0.6962	0.6520 0.6971	0.7385	0.6615	0.6782	Ave		0.6872			0.2000	4.5		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 6.3918	6.0910 5.6140	6.5515	6.8367	7.1762	Ave		6.4435			0.0500	8.6		20.0			
Toluene	+++++ 1.8056	2.1379 1.6263	2.2399	1.9069	1.8860	Ave		1.9338			0.4000	11.5		20.0			
trans-1,3-Dichloropropene	+++++ 0.6078	0.6697 0.6284	0.6276	0.6053	0.5989	Ave		0.6230			0.1000	4.2		20.0			
Ethyl methacrylate	+++++ 0.4959	0.4926 0.4940	0.5164	0.5215	0.5105	Ave		0.5051				2.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

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 4	LVL 5		B	M1	M2								
1,1,2-Trichloroethane	+++++ 0.3080	0.3419 0.3087	0.3799	0.3373	0.3110	Ave		0.3311			0.1000	8.5		20.0			
Tetrachloroethene	+++++ 0.5759	0.6197 0.5772	0.6762	0.5798	0.5852	Ave		0.6023			0.2000	6.6		20.0			
1,3-Dichloropropane	+++++ 0.5922	0.5929 0.5947	0.6907	0.6465	0.6032	Ave		0.6200				6.5		20.0			
2-Hexanone	+++++ 4.0644	3.8838 3.8010	4.6505	4.3669	4.4898	Ave		4.2094			0.0500	8.2		20.0			
n-Butyl acetate	+++++ 0.5483	0.6600 0.5239	0.6284	0.5889	0.5789	Ave		0.5881				8.5		20.0			
Chlorodibromomethane	+++++ 0.4859	0.5366 0.5003	0.5166	0.4899	0.4895	Ave		0.5031			0.1000	3.9		20.0			
Ethylene Dibromide	+++++ 0.3723	0.4246 0.3743	0.4440	0.4027	0.3980	Ave		0.4026			0.1000	7.0		20.0			
Chlorobenzene	+++++ 1.3026	1.4606 1.2553	1.6236	1.4228	1.3703	Ave		1.4059			0.5000	9.3		20.0			
Ethylbenzene	+++++ 0.7202	0.8427 0.7208	0.8688	0.7604	0.7636	Ave		0.7794			0.1000	8.0		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.5459	0.5452 0.5410	0.6401	0.5843	0.5687	Ave		0.5709				6.6		20.0			
m-Xylene & p-Xylene	+++++ 0.8987	1.0241 0.8678	1.1136	0.9785	0.9649	Ave		0.9746			0.1000	9.1		20.0			
n-Butyl acrylate	+++++ 0.3519	0.3958 0.3481	0.3689	0.3654	0.3535	Ave		0.3639				4.8		20.0			
o-Xylene	+++++ 0.9431	0.9481 0.8919	1.1322	1.0209	0.9987	Ave		0.9892			0.3000	8.4		20.0			
Styrene	+++++ 1.5123	1.4985 1.3211	1.8224	1.7167	1.6605	Ave		1.5886			0.3000	11.3		20.0			
Amyl acetate (mixed isomers)	+++++ 1.2238	1.0749 1.1763	1.1815	1.2736	1.2376	Ave		1.1946				5.8		20.0			
Bromoform	+++++ 0.3931	0.3640 0.3913	0.4209	0.3978	0.3930	Ave		0.3933			0.1000	4.6		20.0			
Isopropylbenzene	+++++ 2.2830	2.3754 1.6790	2.8654	2.5225	2.6110	Ave		2.3894			0.1000	16.8		20.0			
Bromobenzene	+++++ 1.0278	1.2745 1.0187	1.2819	1.0860	1.0337	Ave		1.1204				11.1		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7620	0.8143 0.7554	0.8654	0.8303	0.7609	Ave		0.7981			0.3000	5.7		20.0			
N-Propylbenzene	+++++ 3.5905	3.8950 2.6975	4.4240	4.1291	4.0709	Ave		3.8012				16.0		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

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 4	LVL 5		B	M1	M2								
1,2,3-Trichloropropane	+++++ 0.2457	0.3407 0.2539	0.3074	0.2736	0.2554	Ave		0.2795				13.3		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2300	0.3021 0.2397	0.2312	0.2446	0.2355	Ave		0.2472				11.1		20.0			
2-Chlorotoluene	+++++ 2.6775	3.0592 2.2067	3.3808	2.9759	2.8429	Ave		2.8572				13.9		20.0			
4-Ethyltoluene	+++++ 3.3035	3.4115 2.5758	4.0651	3.7363	3.4415	Ave		3.4223				14.6		20.0			
1,3,5-Trimethylbenzene	+++++ 2.8622	2.9534 2.2240	3.3874	3.1745	3.1444	Ave		2.9576				13.6		20.0			
4-Chlorotoluene	+++++ 2.3858	2.6851 1.9932	3.0349	2.7181	2.6092	Ave		2.5711				13.7		20.0			
Butyl Methacrylate	+++++ 1.0703	0.9357 1.0368	1.0834	1.0581	1.0493	Ave		1.0389				5.1		20.0			
tert-Butylbenzene	+++++ 2.6136	2.4374 2.1305	2.8007	2.6587	2.7812	Ave		2.5704				9.8		20.0			
1,2,4-Trimethylbenzene	+++++ 2.9233	3.0648 2.1897	3.4892	3.3016	3.2764	Ave		3.0408				15.2		20.0			
sec-Butylbenzene	+++++ 3.4930	3.6858 +++++	4.0793	3.9144	4.0562	Ave		3.8457				6.5		20.0			
1,3-Dichlorobenzene	+++++ 1.9462	2.1587 1.6969	2.5117	2.1348	2.0720	Ave		2.0867			0.6000	12.9		20.0			
4-Isopropyltoluene	+++++ 3.2726	3.3365 2.3326	3.8016	3.5105	3.7063	Ave		3.3267				15.9		20.0			
1,4-Dichlorobenzene	+++++ 1.9619	2.4027 1.6866	2.5098	2.2172	2.0683	Ave		2.1411			0.5000	14.1		20.0			
1,2,3-Trimethylbenzene	+++++ 3.0283	3.5310 +++++	3.8949	3.4884	3.3602	Ave		3.4605				9.0		20.0			
Benzyl chloride	+++++ 1.7499	1.5898 1.5348	1.7624	1.7721	1.7509	Ave		1.6933				6.1		20.0			
Indan	+++++ 2.9966	3.2730 +++++	4.0446	3.5788	3.3978	Ave		3.4582				11.3		20.0			
p-Diethylbenzene	+++++ 2.0055	2.0265 1.6727	2.4534	2.1366	2.0635	Ave		2.0597				12.2		20.0			
n-Butylbenzene	+++++ 1.6590	1.6863 1.4422	1.8050	1.7392	1.8112	Ave		1.6905				8.1		20.0			
1,2-Dichlorobenzene	+++++ 1.8427	2.0220 1.6067	2.3445	2.0981	1.9874	Ave		1.9836			0.4000	12.5		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 3.0537	3.3620 +++++	3.7625	3.4068	3.3686	Ave		3.3907				7.4		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

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 4	LVL 5		B	M1	M2								
1,2-Dibromo-3-Chloropropane	+++++ 0.1548	0.1393 0.1599	0.1624	0.1424	0.1595	Ave		0.1530			0.0500	6.4		20.0			
1,3,5-Trichlorobenzene	+++++ 1.5778	1.9130 1.3819	2.0334	1.6768	1.6614	Ave		1.7074				13.7		20.0			
1,2,4-Trichlorobenzene	+++++ 1.4820	1.5250 1.3557	1.7405	1.5779	1.5680	Ave		1.5415			0.2000	8.2		20.0			
Hexachlorobutadiene	+++++ 0.7584	0.8405 0.7055	0.8045	0.7407	0.7974	Ave		0.7745				6.3		20.0			
Naphthalene	+++++ 2.8572	2.7361 2.2785	3.1916	2.9113	3.0998	Ave		2.8457				11.4		20.0			
1,2,3-Trichlorobenzene	+++++ 1.4305	1.4478 1.3197	1.6159	1.4681	1.4947	Ave		1.4628				6.6		20.0			
Dibromofluoromethane (Surr)	0.3382 0.3287	0.3298 0.3302	0.3344	0.3187	0.3312	Ave		0.3301				1.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3965 0.3888	0.3906 0.4225	0.3886	0.3910	0.3738	Ave		0.3931				3.7		20.0			
Toluene-d8 (Surr)	1.3879 1.3809	1.3792 1.3240	1.4062	1.3554	1.3801	Ave		1.3734				1.9		20.0			
4-Bromofluorobenzene	0.6144 0.5873	0.6384 0.5557	0.6263	0.6166	0.6050	Ave		0.6063				4.5		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-430992/4	F45943.D
Level 2	STD1 460-430992/5	F45944.D
Level 3	STD5 460-430992/6	F45945.D
Level 4	STD20 460-430992/7	F45946.D
Level 5	STD50 460-430992/8	F45947.D
Level 6	STD200 460-430992/9	F45948.D
Level 7	STD500 460-430992/10	F45949.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	+++++ 178496	829 471768	2890	10072	40683	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 1015290	4461 2784815	25026	98502	248293	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 1098577	6913 3345277	26004	116104	295519	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 983355	4077 2753815	18690	100958	245452	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	+++++ 672881	2988 1861640	13815	66081	158574	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	+++++ 732093	4975 2093797	20948	77720	185792	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 546339	2674 1534027	10978	54293	137503	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 861475	5862 2484456	22293	88959	209617	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 1026010	4703 2813749	23348	104011	253179	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	FB	Qua2	+++++ 201825	1773 468604	4409	19971	47142	+++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd 9	QuaF	+++++ 79166	171 295316	1266	5014	20747	+++++ 8000	40.0 20000	200	800	2000
Ethyl ether	FB	Ave	+++++ 530505	2369 1368140	13421	52232	128010	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 548236	3494 1354918	12340	46733	121450	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 503026	2903 1350110	11126	36736	124663	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd 9	Ave	+++++ 61538	1162 138438	6239	11065	27195	+++++ 200	4.00 400	20.0	40.0	100

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 470204	3162 1282213	10588	36866	117641	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 622510	3924 1607191	14572	50164	151600	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 863594	5441 2331547	24620	87081	242079	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	+++++ 1360073	5822 3609827	31185	105383	301307	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Ave	+++++ 273666	1558 788367	6640	25202	65448	+++++ 2000	10.0 5000	50.0	200	500
Carbon disulfide	FB	Ave	+++++ 1991777	10495 5118808	49027	180649	496102	+++++ 200	1.00 500	5.00	20.0	50.0
Allyl chloride	FB	Ave	+++++ 1329225	5337 3080830	33504	117530	313808	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	+++++ 2050560	9986 5242847	47262	199608	505406	+++++ 1000	5.00 2500	25.0	100	250
Cyclopentene	FB	Ave	+++++ 1657625	8292 4047380	35176	154572	380842	+++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	FB	Ave	+++++ 823214	5199 2286048	13476	78647	212641	+++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	+++++ 717581	5002 1908915	19426	65836	177663	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 612972	3344 1669554	13310	57342	156129	+++++ 2000	10.0 5000	50.0	200	500
Methyl tert-butyl ether	FB	Ave	+++++ 1488442	7160 3792050	39366	151151	383242	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 802652	4664 2108336	21450	74344	193117	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	2221 2185982	9670 5761236	53673	216280	538338	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	+++++ 616704	3036 1620032	11655	53464	156143	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	+++++ 1968234	10699 4622399	51884	197846	506735	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethane	FB	Ave	+++++ 1336398	6758 3523003	33672	127049	327662	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Ave	+++++ 291311	1104 816073	7143	27403	65453	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	+++++ 735852	3651 2016190	15789	65104	162246	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 1661199	9510 3819761	46519	174688	436469	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2,2-Dichloropropane	FB	Ave	+++++ 226957	1346 582461	6306	22046	54654	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 927099	4746 2507462	24642	89798	220101	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acetate	BUT	Lin2	+++++ 134455	1619 375375	3495	13254	30904	+++++ 400	2.00 1000	10.0	40.0	100
2-Butanone (MEK)	BUT	Lin2	+++++ 356435	2538 1006549	9301	33348	90649	+++++ 1000	5.00 2500	25.0	100	250
Methyl acrylate	CBNZ d5	Ave	+++++ 515127	2388 1395166	9273	44738	122396	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	FB	Ave	+++++ 790897	4233 2249043	20311	78706	197849	+++++ 2000	10.0 5000	50.0	200	500
Chlorobromomethane	FB	Ave	+++++ 470421	2776 1312437	11395	43096	111866	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Lin2	+++++ 172617	1770 461817	4898	16096	41091	+++++ 400	2.00 1000	10.0	40.0	100
Methacrylonitrile	FB	Ave	+++++ 2626534	11668 6814273	56961	246128	622803	+++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	+++++ 1423878	8213 3800713	35284	139873	347534	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 913110	4368 2269724	19792	78222	236111	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 1144935	6361 2843626	28692	105691	285615	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 1108455	5440 2852518	24351	93336	270525	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 1037107	4959 2761966	22661	88745	245796	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd 9	Ave	+++++ 844759	4063 2227019	22461	79226	216936	+++++ 5000	25.0 12500	125	500	1250
Benzene	CBNZ d5	Ave	+++++ 2975669	14905 7432011	75429	278817	718908	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 1959762	7399 4804802	45059	192178	469943	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	+++++ 1984265	10475 4525484	50685	201202	520235	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 1079881	6301 2845644	27481	101829	263074	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 551440	1964 1422860	10709	47191	140957	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd 9	Ave	+++++ 383272	1660 1127820	9233	33612	88531	+++++ 5000	25.0 12500	125	500	1250

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Trichloroethene	FB	Ave	+++++ 816427	4586 2247048	19964	73532	189895	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	+++++ 1633974	6635 4104541	31968	147382	407262	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 1247166	4899 2990548	25447	109987	329049	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 742511	3629 1971332	18117	66094	173729	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 404118	1703 1138261	9134	33669	92057	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	+++++ 110191	1585 +++++	2792	10709	29874	+++++ 4000	50.0 +++++	100	400	1000
n-Propyl acetate	FB	Ave	+++++ 849085	4087 2270238	17782	72176	189907	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromomethane	FB	Ave	+++++ 509909	2773 1367607	13099	45864	118522	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorobromomethane	FB	Ave	+++++ 1070032	4929 2900446	22771	90145	240043	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 402915	1443 1166339	8267	32673	87706	+++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	FB	Ave	+++++ 376114	1858 1048199	7554	30204	80171	+++++ 400	2.00 1000	10.0	40.0	100
Epichlorohydrin	BUT	Ave	1492 1175071	4673 3178070	23552	107162	274909	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1278672	4843 3491585	25547	100893	279582	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 3244981	12429 7793857	63990	304439	797970	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZ d5	Ave	+++++ 3316376	15881 8145195	77482	290870	777445	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 1116432	4975 3147552	21711	92331	246867	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	CBNZ d5	Ave	+++++ 910779	3659 2474112	17862	79551	210450	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 565640	2540 1546187	13142	51450	128201	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 1057786	4603 2891046	23392	88439	241241	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 1087670	4404 2978640	23892	98618	248671	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	+++++ 2063428	7925 5276859	45422	194462	499249	+++++ 1000	5.00 2500	25.0	100	250

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Butyl acetate	CBNZ d5	Ave	+++++ 1007092	4903 2623782	21737	89832	238638	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodibromomethane	CBNZ d5	Ave	+++++ 892461	3986 2505628	17869	74720	201763	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylene Dibromide	CBNZ d5	Ave	+++++ 683834	3154 1874512	15358	61428	164064	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 2392409	10850 6287306	56163	217027	564848	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 1322783	6260 3610345	30052	115988	314761	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 1002616	4050 2709773	22142	89129	234449	+++++ 200	1.00 500	5.00	20.0	50.0
m-Xylene & p-Xylene	CBNZ d5	Ave	+++++ 1650726	7607 4346340	38521	149259	397752	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Ave	+++++ 646260	2940 1743537	12761	55734	145712	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 1732191	7043 4467189	39164	155716	411691	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	+++++ 2777648	11131 6616859	63038	261855	684508	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++ 1536671	5758 3779575	30227	139820	370930	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 721953	2704 1959841	14558	60675	161990	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 4193240	17645 8409421	99117	384756	1076288	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 1290547	6827 3273071	32793	119227	309815	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 956798	4362 2427122	22140	91148	228072	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 4508589	20864 8667308	113178	453307	1220153	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 308558	1825 815771	7865	30034	76545	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 288794	1618 770165	5915	26851	70575	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 3362059	16387 7090331	86489	326698	852085	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 4148146	18274 8276408	103996	410183	1031485	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 3593968	15820 7145887	86658	348509	942458	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Chlorotoluene	DCBd 4	Ave	+++++ 2995850	14383 6404324	77640	298399	782032	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	Ave	+++++ 1343981	5012 3331387	27717	116161	314498	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 3281927	13056 6845408	71649	291875	833597	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 3670719	16417 7035565	89263	362457	982025	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 4386085	19743 +++++	104358	429732	1215746	+++++ 200	1.00 +++++	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 2443836	11563 5452439	64256	234360	621026	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 4109379	17872 7494811	97254	385393	1110864	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 2463515	12870 5419297	64207	243409	619924	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 3802593	18914 +++++	99641	382966	1007115	+++++ 200	1.00 +++++	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Ave	+++++ 2197286	8516 4931517	45086	194545	524771	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++ 3762733	17532 +++++	103472	392891	1018413	+++++ 200	1.00 +++++	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 2518262	10855 5374377	62764	234558	618489	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 2083234	9033 4634066	46176	190933	542849	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 2313808	10831 5162394	59977	230339	595683	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 3834473	18009 +++++	96255	374005	1009643	+++++ 200	1.00 +++++	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 194335	746 513798	4155	15632	47794	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 1981224	10247 4440290	52019	184080	497962	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 1860979	8169 4355948	44527	173227	469960	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 952316	4502 2266949	20582	81315	239008	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 3587809	14656 7321057	81648	319609	929081	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 1796244	7755 4240438	41340	161175	447987	+++++ 200	1.00 500	5.00	20.0	50.0

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 430992

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/17/2017 21:51 Calibration End Date: 04/18/2017 00:10 Calibration ID: 61985

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dibromofluoromethane (Surr)	FB	Ave	137490 164376	144487 169940	136197	140494	153455	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	161220 194433	171128 217449	158277	172361	173228	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	486701 634079	512255 663155	486433	516853	568921	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene	CBNZ d5	Ave	215454 269662	237120 278342	216654	235137	249393	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45943.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Apr-2017 21:51:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0053865-004
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 18:23:31 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: moroneyc Date: 18-Apr-2017 11:55:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	3.234	3.234	0.000	96	150454	1000.0	1000.0	
31 Acrylonitrile	53	3.497	3.505	-0.008	84	2221	2.00	2.28	
* 38 2-Butanone-d5	46	4.294	4.302	-0.008	75	94359	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	98	137490	50.0	51.2	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.132	-0.008	97	161220	50.0	50.4	
* 61 Fluorobenzene	96	5.395	5.403	-0.008	99	406591	50.0	50.0	
* 67 1,4-Dioxane-d8	96	6.102	6.102	0.000	98	17441	1000.0	1000.0	
75 Epichlorohydrin	57	6.767	6.767	0.000	48	1492	5.00	6.38	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	486701	50.0	50.5	
* 89 Chlorobenzene-d5	117	8.862	8.871	-0.009	86	350675	50.0	50.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	215454	50.0	50.7	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	94	256147	50.0	50.0	

Reagents:

GAS Hi_00196	Amount Added:	0.00	Units: uL	
MIX I Hi_00071	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	0.00	Units: uL	
14DIOXINTER_00068	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00032	Amount Added:	2.00	Units: uL	
ACROLEIN W_00063	Amount Added:	0.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

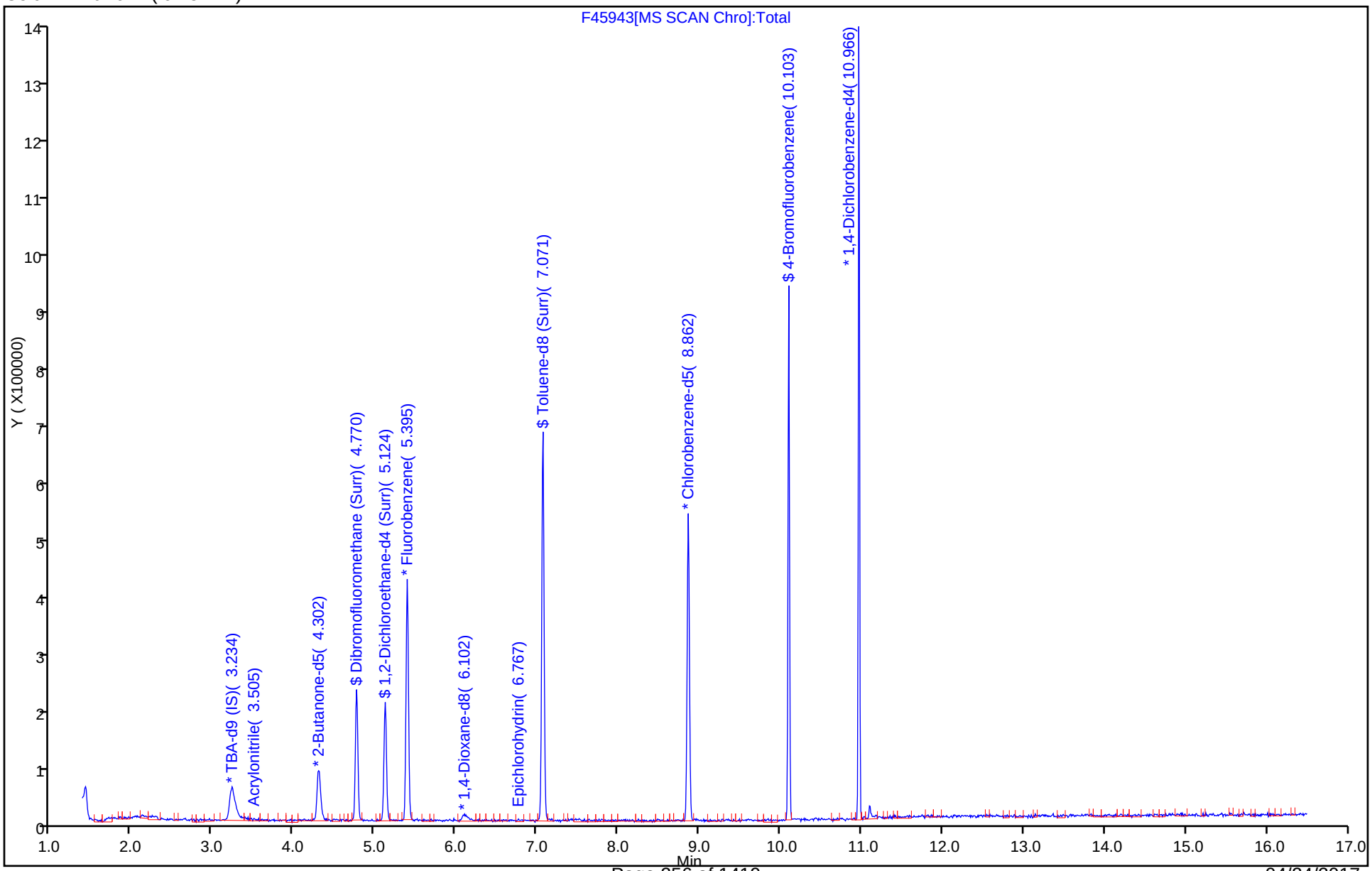
Report Date: 22-Apr-2017 18:23:38 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45943.D

Injection Date:	17-Apr-2017 21:51:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	STD7			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45944.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Apr-2017 22:14:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0053865-005
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 18:24:08 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: moroneyc Date: 18-Apr-2017 11:55:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.706	1.549	0.157	1	4461	1.00	0.9352	
1 Chlorotrifluoroethene	66	1.549	1.558	-0.009	1	829	1.00	1.16	
3 Chloromethane	50	1.755	1.747	0.008	45	6913	1.00	1.21	
4 Vinyl chloride	62	1.821	1.812	0.009	17	4077	1.00	0.9145	
5 Butadiene	54	1.886	1.837	0.049	52	2988	1.00	0.9766	
6 Bromomethane	94	2.141	2.116	0.025	40	4975	1.00	1.26	
7 Chloroethane	64	2.174	2.174	0.000	63	2674	1.00	1.05	
9 Trichlorofluoromethane	101	2.404	2.355	0.049	50	4703	1.00	0.9742	M
8 Dichlorofluoromethane	67	2.379	2.355	0.024	32	5862	1.00	1.30	
10 Pentane	72	2.404	2.388	0.016	90	1773	2.00	2.04	
11 Ethanol	46	2.585	2.585	0.000	21	171	40.0	25.9	
12 Ethyl ether	59	2.593	2.585	0.008	77	2369	1.00	0.9524	
13 2-Methyl-1,3-butadiene	53	2.609	2.609	0.000	90	3494	1.00	1.35	
14 1,2-Dichloro-1,1,2-trifluo	117	2.642	2.634	0.008	27	2903	1.00	1.25	
16 1,1,2-Trichloro-1,2,2-trif	101	2.782	2.766	0.016	54	3162	1.00	1.38	
15 Acrolein	56	2.766	2.766	0.000	29	1162	4.00	4.44	
17 1,1-Dichloroethene	96	2.790	2.798	-0.008	67	3924	1.00	1.32	
18 Acetone	43	2.889	2.889	0.000	72	5441	5.00	6.30	
19 Iodomethane	142	2.946	2.946	0.000	92	5822	1.00	0.9822	
21 Carbon disulfide	76	2.996	2.987	0.009	97	10495	1.00	1.11	
20 Isopropyl alcohol	45	2.963	2.996	-0.033	33	1558	10.0	12.8	
22 3-Chloro-1-propene	41	3.119	3.111	0.008	72	5337	1.00	0.9050	
24 Methyl acetate	43	3.119	3.127	-0.008	99	9986	5.00	5.21	
23 Cyclopentene	67	3.127	3.135	-0.008	91	8292	1.00	1.11	
25 Acetonitrile	41	3.193	3.185	0.008	70	5199	10.0	13.3	
* 26 TBA-d9 (IS)	65	3.234	3.234	0.000	97	151568	1000.0	1000.0	
27 Methylene Chloride	84	3.242	3.234	0.008	35	5002	1.00	1.35	
28 2-Methyl-2-propanol	59	3.316	3.316	0.000	1	3344	10.0	12.5	
29 Methyl tert-butyl ether	73	3.390	3.398	-0.008	96	7160	1.00	0.99	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	91	4664	1.00	1.18	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.497	3.505	-0.008	88	9670	10.0	9.21	
32 Hexane	43	3.579	3.571	0.008	72	3036	1.00	1.10	
33 Isopropyl ether	45	3.784	3.793	-0.009	77	10699	1.00	1.11	M
34 1,1-Dichloroethane	63	3.826	3.817	0.009	76	6758	1.00	1.06	
35 Vinyl acetate	86	3.826	3.825	0.001	90	1104	2.00	1.68	
36 2-Chloro-1,3-butadiene	88	3.875	3.867	0.008	80	3651	1.00	1.09	
37 Tert-butyl ethyl ether	59	4.113	4.097	0.016	91	9510	1.00	1.14	M
* 38 2-Butanone-d5	46	4.302	4.302	0.000	78	102027	250.0	250.0	
39 2,2-Dichloropropane	97	4.302	4.327	-0.025	20	1346	1.00	1.18	
42 Ethyl acetate	70	4.351	4.343	0.008	90	1619	2.00	2.02	
40 cis-1,2-Dichloroethene	96	4.335	4.343	-0.008	51	4746	1.00	1.05	
41 2-Butanone (MEK)	72	4.351	4.351	0.000	94	2538	5.00	4.88	
43 Methyl acrylate	55	4.417	4.409	0.008	56	2388	1.00	1.11	
44 Propionitrile	54	4.508	4.491	0.017	80	4233	10.0	10.8	M
45 Chlorobromomethane	128	4.573	4.565	0.008	77	2776	1.00	1.21	
46 Tetrahydrofuran	72	4.581	4.565	0.016	52	1770	2.00	1.95	
47 Methacrylonitrile	67	4.598	4.590	0.008	88	11668	10.0	9.86	
48 Chloroform	83	4.614	4.614	0.000	97	8213	1.00	1.17	
49 Cyclohexane	84	4.754	4.754	0.000	31	4368	1.00	1.06	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	97	144487	50.0	49.9	
50 1,1,1-Trichloroethane	97	4.770	4.770	0.000	36	6361	1.00	1.16	
52 Carbon tetrachloride	117	4.886	4.894	-0.008	90	5440	1.00	1.08	
53 1,1-Dichloropropene	75	4.918	4.910	0.008	86	4959	1.00	1.06	
54 Isobutyl alcohol	43	5.042	5.025	0.017	32	4063	25.0	27.3	
55 Benzene	78	5.116	5.116	0.000	44	14905	1.00	1.11	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.132	-0.008	98	171128	50.0	49.7	
57 Isopropyl acetate	43	5.173	5.165	0.008	87	7399	1.00	0.8490	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	85	10475	1.00	1.09	
59 1,2-Dichloroethane	62	5.206	5.206	0.000	93	6301	1.00	1.19	
60 n-Heptane	57	5.255	5.263	-0.008	68	1964	1.00	0.8348	
* 61 Fluorobenzene	96	5.403	5.403	0.000	99	438099	50.0	50.0	
62 n-Butanol	56	5.683	5.691	-0.008	18	1660	25.0	25.9	M
63 Trichloroethene	95	5.748	5.748	0.000	90	4586	1.00	1.17	
65 Ethyl acrylate	55	5.880	5.872	0.008	91	6635	1.00	0.9328	
64 Methylcyclohexane	83	5.880	5.880	0.000	84	4899	1.00	0.9013	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	83	3629	1.00	1.05	M
* 67 1,4-Dioxane-d8	96	6.093	6.102	-0.009	95	16245	1000.0	1000.0	
68 Methyl methacrylate	100	6.110	6.118	-0.008	84	1703	2.00	1.89	
70 n-Propyl acetate	43	6.167	6.167	0.000	97	4087	1.00	1.08	
69 1,4-Dioxane	88	6.167	6.167	0.000	22	1585	50.0	59.0	
71 Dibromomethane	93	6.159	6.176	-0.017	70	2773	1.00	1.13	
72 Dichlorobromomethane	83	6.315	6.323	-0.008	85	4929	1.00	1.04	
73 2-Nitropropane	41	6.669	6.660	0.009	81	1858	2.00	2.24	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	61	1443	1.00	0.8444	
75 Epichlorohydrin	57	6.767	6.767	0.000	74	4673	20.0	18.5	
76 cis-1,3-Dichloropropene	75	6.825	6.816	0.009	93	4843	1.00	0.9487	
77 4-Methyl-2-pentanone (MIBK	43	6.989	6.997	-0.008	97	12429	5.00	4.73	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	100	512255	50.0	50.2	
79 Toluene	91	7.145	7.153	-0.008	94	15881	1.00	1.11	
80 trans-1,3-Dichloropropene	75	7.490	7.490	0.000	91	4975	1.00	1.08	
81 Ethyl methacrylate	69	7.531	7.531	0.000	79	3659	1.00	0.9751	
82 1,1,2-Trichloroethane	83	7.720	7.712	0.008	88	2540	1.00	1.03	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.761	7.761	0.000	90	4603	1.00	1.03	
84 1,3-Dichloropropane	76	7.918	7.926	-0.008	57	4404	1.00	0.9562	
85 2-Hexanone	43	7.992	7.991	0.001	93	7925	5.00	4.61	
86 n-Butyl acetate	43	8.098	8.107	-0.009	81	4903	1.00	1.12	
87 Chlorodibromomethane	129	8.164	8.156	0.008	95	3986	1.00	1.07	
88 Ethylene Dibromide	107	8.312	8.312	0.000	97	3154	1.00	1.05	
* 89 Chlorobenzene-d5	117	8.863	8.871	-0.009	85	371417	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	92	10850	1.00	1.04	
91 Ethylbenzene	106	9.002	9.010	-0.008	98	6260	1.00	1.08	
92 1,1,1,2-Tetrachloroethane	131	9.019	9.027	-0.008	82	4050	1.00	0.9550	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	92	7607	1.00	1.05	
94 n-Butyl acrylate	73	9.569	9.577	-0.008	75	2940	1.00	1.09	
95 o-Xylene	106	9.594	9.594	0.000	94	7043	1.00	0.9585	
96 Styrene	104	9.618	9.618	0.000	95	11131	1.00	0.9433	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	87	5758	1.00	0.8998	
98 Bromoform	173	9.816	9.816	0.000	86	2704	1.00	0.9255	
99 Isopropylbenzene	105	9.931	9.931	0.000	95	17645	1.00	0.99	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	95	237120	50.0	52.7	
101 Bromobenzene	156	10.218	10.218	0.000	91	6827	1.00	1.14	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	69	4362	1.00	1.02	
103 N-Propylbenzene	91	10.276	10.276	0.000	98	20864	1.00	1.02	
104 1,2,3-Trichloropropane	110	10.300	10.300	0.000	84	1825	1.00	1.22	
105 trans-1,4-Dichloro-2-buten	53	10.317	10.309	0.008	32	1618	1.00	1.22	
106 2-Chlorotoluene	91	10.366	10.366	0.000	96	16387	1.00	1.07	
107 4-Ethyltoluene	105	10.374	10.374	0.000	98	18274	1.00	1.00	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	92	15820	1.00	1.00	
109 4-Chlorotoluene	91	10.457	10.457	0.000	97	14383	1.00	1.04	
110 Butyl Methacrylate	87	10.498	10.506	-0.008	92	5012	1.00	0.9006	
111 tert-Butylbenzene	119	10.654	10.662	-0.008	95	13056	1.00	0.9483	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	96	16417	1.00	1.01	
113 sec-Butylbenzene	105	10.818	10.818	0.000	98	19743	1.00	0.9584	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	76	11563	1.00	1.03	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	98	17872	1.00	1.00	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	94	267828	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.982	10.982	0.000	39	12870	1.00	1.12	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	18914	1.00	1.02	
118 Benzyl chloride	91	11.089	11.081	0.008	99	8516	1.00	0.9389	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	95	17532	1.00	0.9465	
120 p-Diethylbenzene	119	11.163	11.163	0.000	89	10855	1.00	0.9839	
121 n-Butylbenzene	92	11.180	11.180	0.000	97	9033	1.00	1.00	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	97	10831	1.00	1.02	
123 1,2,4,5-Tetramethylbenzene	119	11.640	11.640	0.000	97	18009	1.00	0.99	
124 1,2-Dibromo-3-Chloropropan	75	11.730	11.722	0.008	51	746	1.00	0.9100	
125 1,3,5-Trichlorobenzene	180	11.804	11.804	0.000	97	10247	1.00	1.12	
126 1,2,4-Trichlorobenzene	180	12.215	12.215	0.000	91	8169	1.00	0.9893	
127 Hexachlorobutadiene	225	12.281	12.281	0.000	94	4502	1.00	1.09	
128 Naphthalene	128	12.388	12.388	0.000	98	14656	1.00	0.9615	
129 1,2,3-Trichlorobenzene	180	12.552	12.552	0.000	96	7755	1.00	0.9897	
S 130 1,2-Dichloroethene, Total	100				0		2.00	2.23	
S 131 Xylenes, Total	100				0		2.00	2.01	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00196	Amount Added:	1.00	Units: uL	
MIX I Hi_00071	Amount Added:	1.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	1.00	Units: uL	
14DIOXINTER_00068	Amount Added:	30.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Apr-2017 18:24:10 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45944.D

Injection Date: 17-Apr-2017 22:14:30 Instrument ID: CVOAMS6 Operator ID:

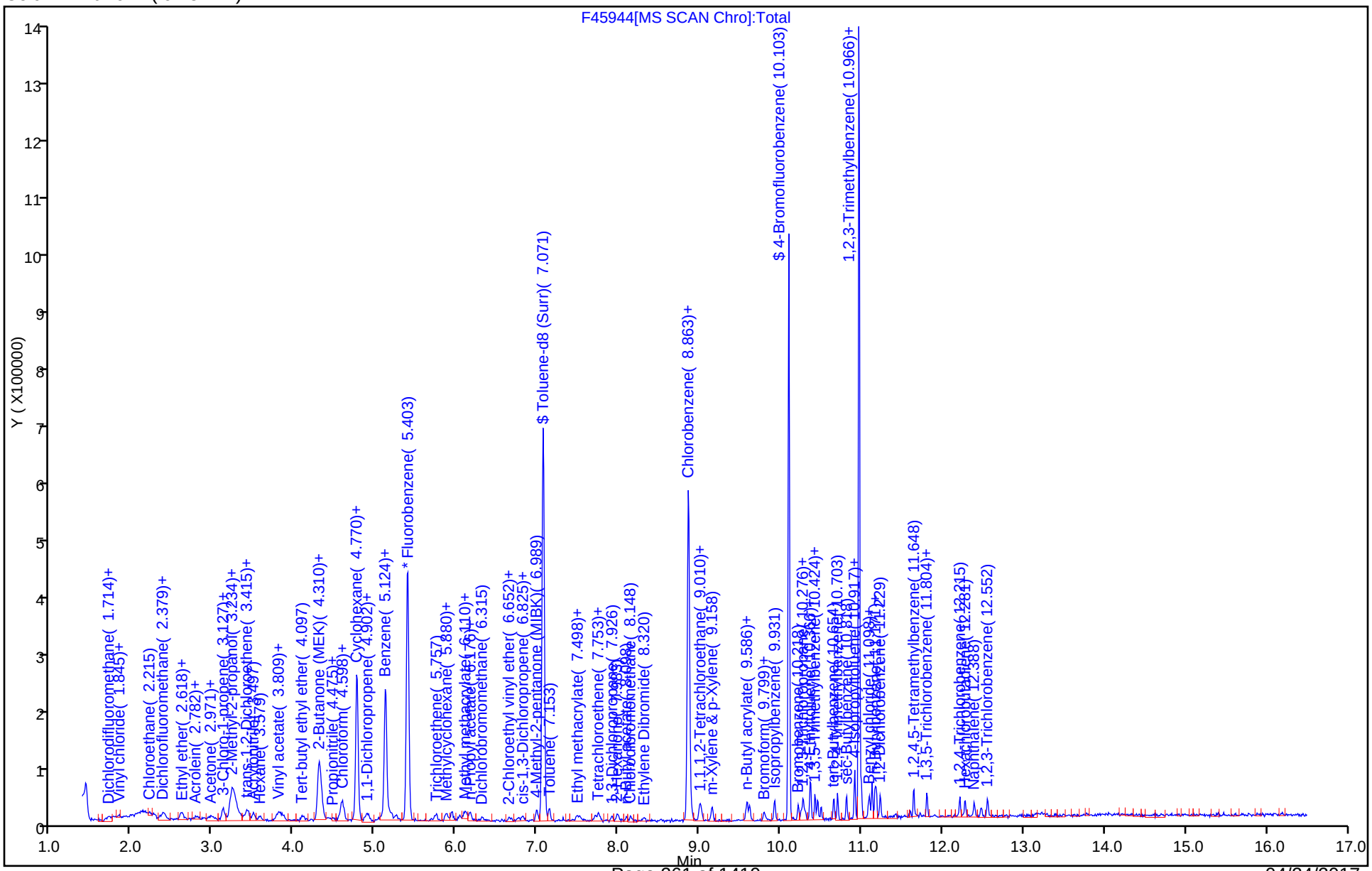
Lims ID: STD1 Worklist Smp#: 5

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

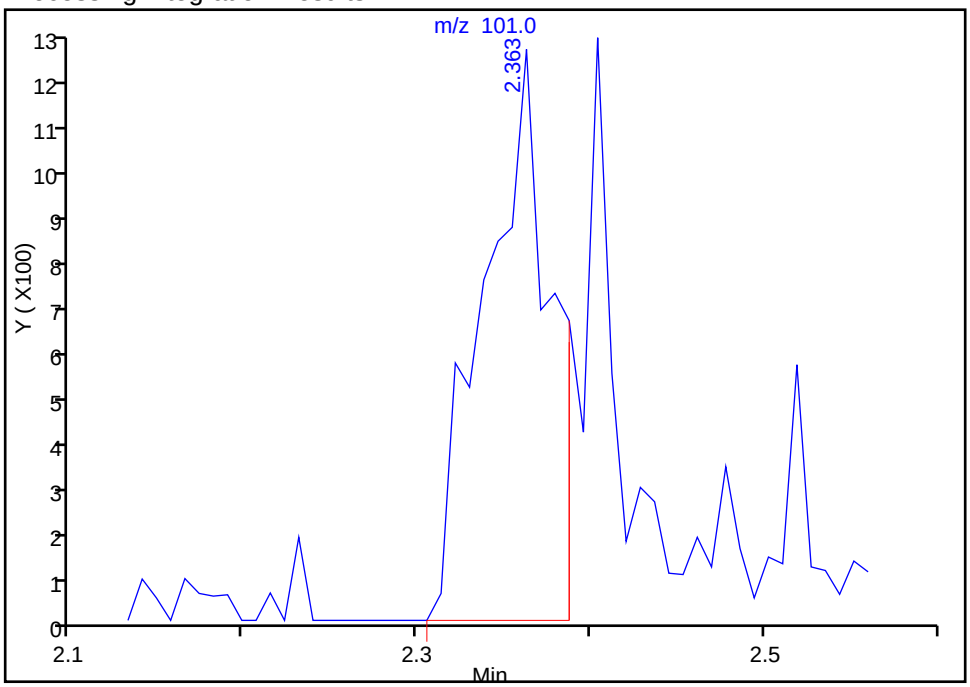
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Injection Date: 17-Apr-2017 22:14:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

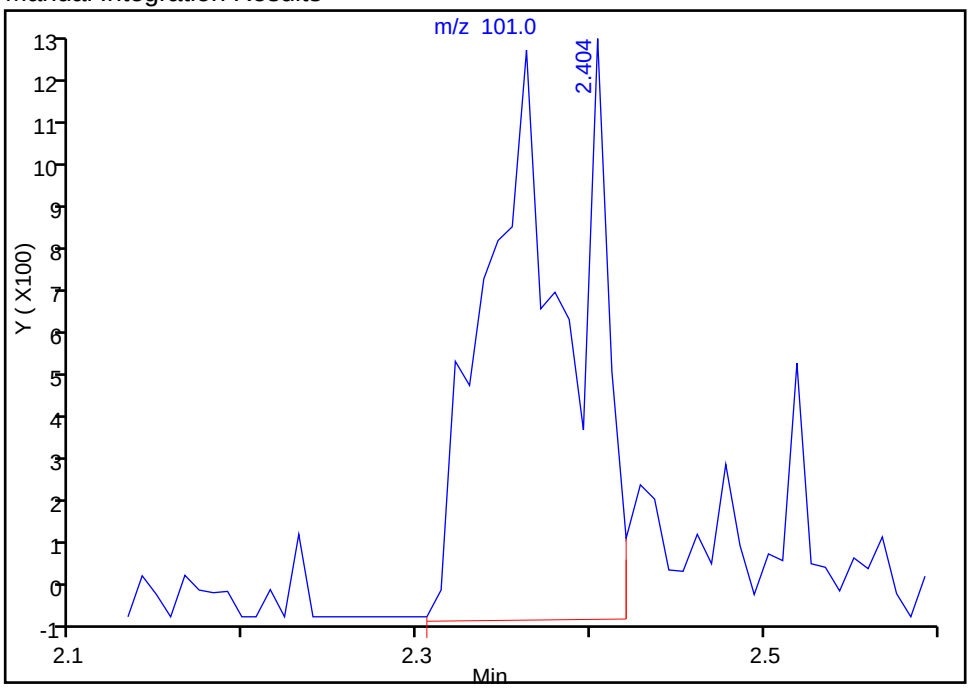
Processing Integration Results

RT: 2.36
Area: 3444
Amount: 0.745835
Amount Units: ug/l



Manual Integration Results

RT: 2.40
Area: 4703
Amount: 0.974215
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:16:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

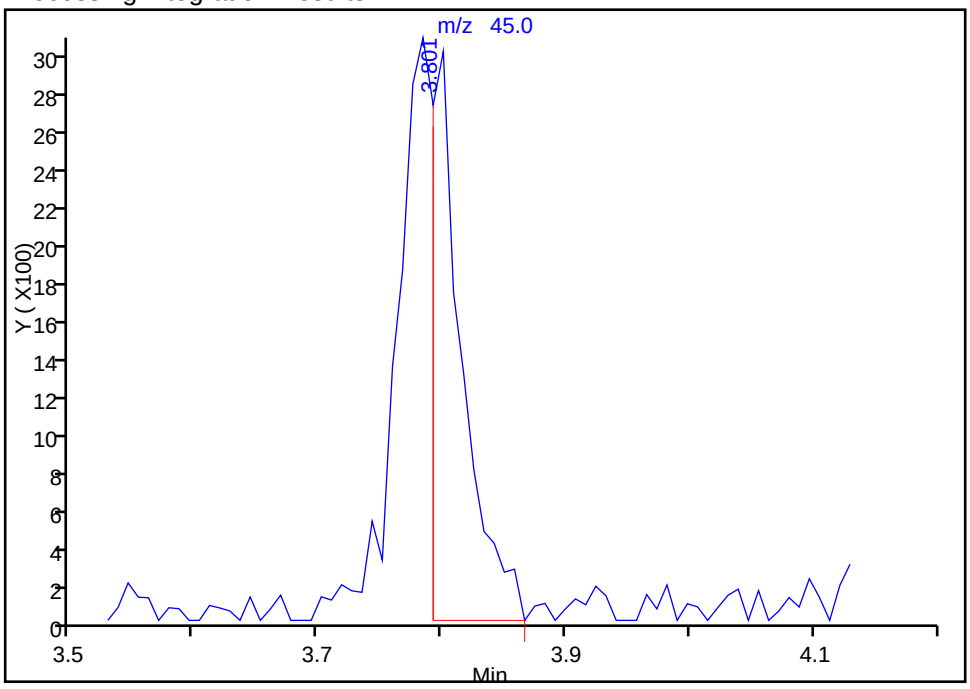
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Injection Date: 17-Apr-2017 22:14:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

33 Isopropyl ether, CAS: 108-20-3

Signal: 1

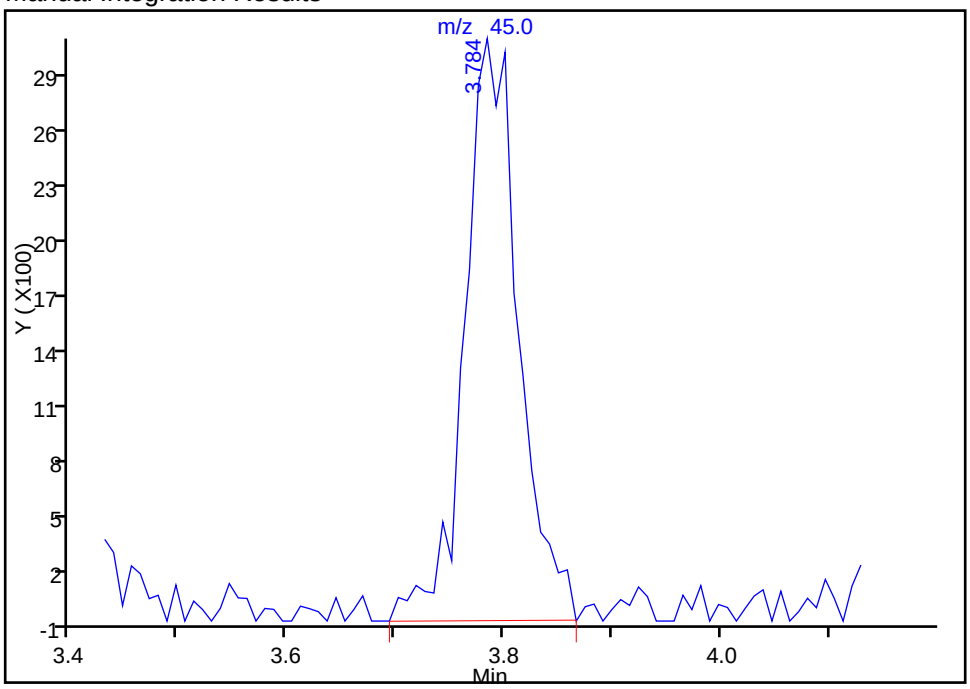
Processing Integration Results

RT: 3.80
Area: 5433
Amount: 0.589203
Amount Units: ug/l



Manual Integration Results

RT: 3.78
Area: 10699
Amount: 1.111354
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:18:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

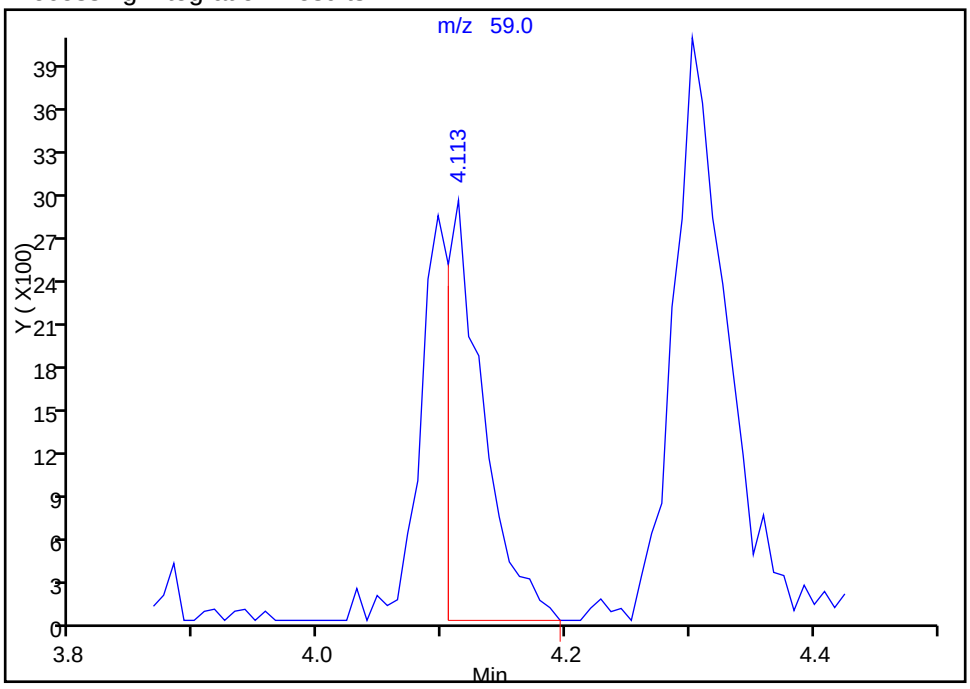
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Injection Date: 17-Apr-2017 22:14:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

37 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

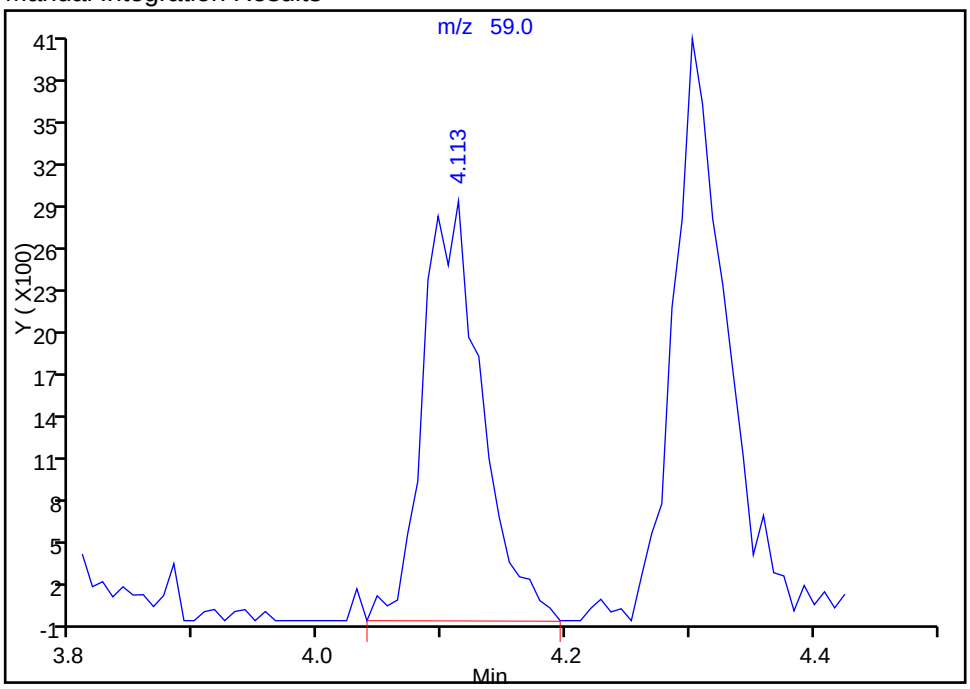
Processing Integration Results

RT: 4.11
Area: 5989
Amount: 0.769344
Amount Units: ug/l



Manual Integration Results

RT: 4.11
Area: 9510
Amount: 1.136012
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:18:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

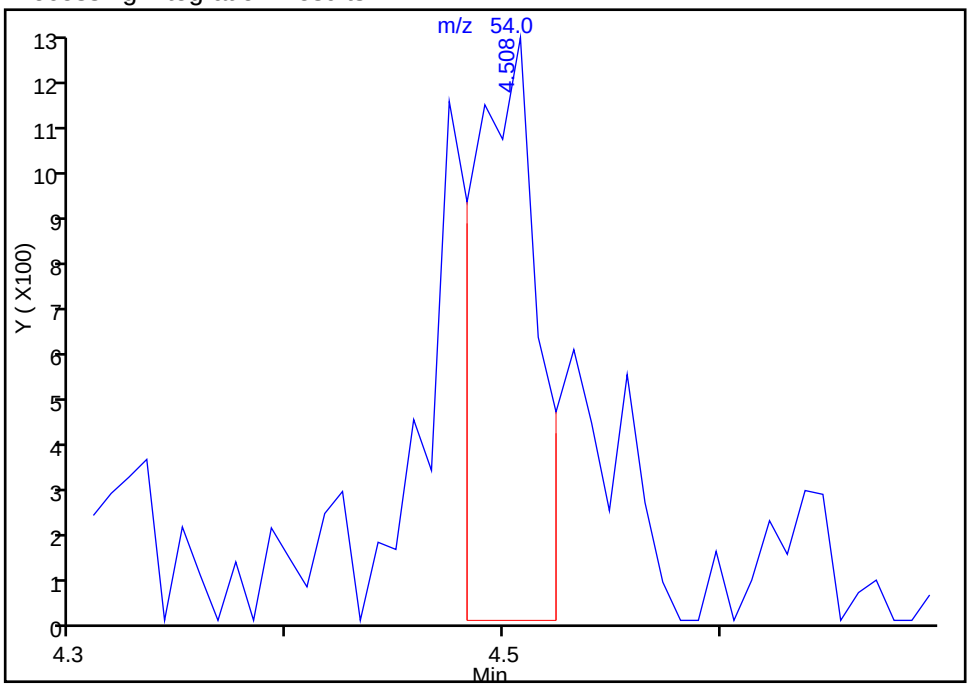
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Injection Date: 17-Apr-2017 22:14:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

44 Propionitrile, CAS: 107-12-0

Signal: 1

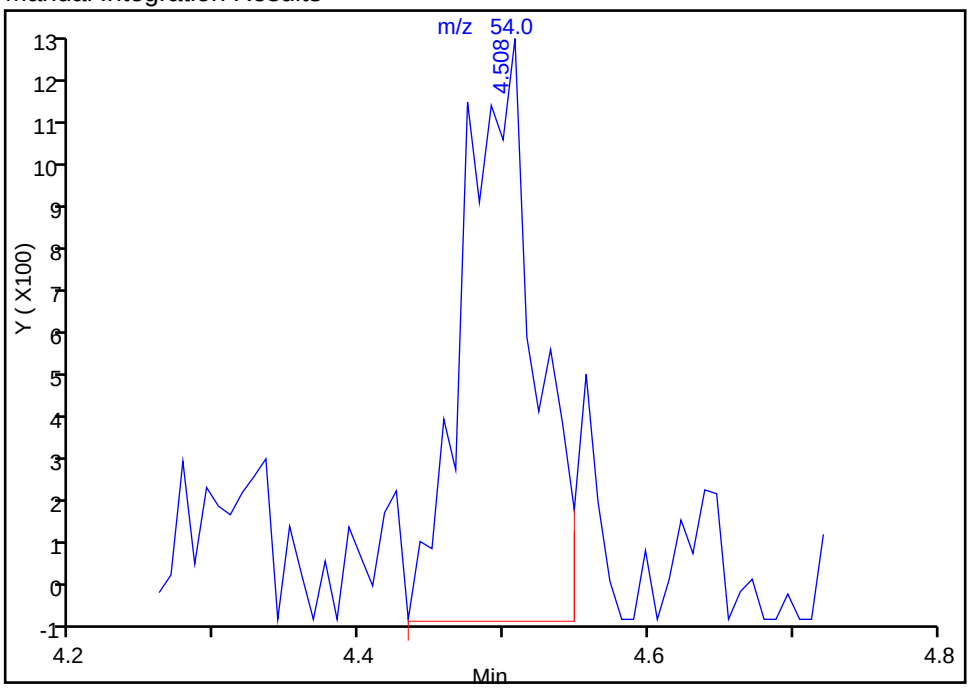
Processing Integration Results

RT: 4.51
Area: 2561
Amount: 7.024517
Amount Units: ug/l



Manual Integration Results

RT: 4.51
Area: 4233
Amount: 10.786172
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:19:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

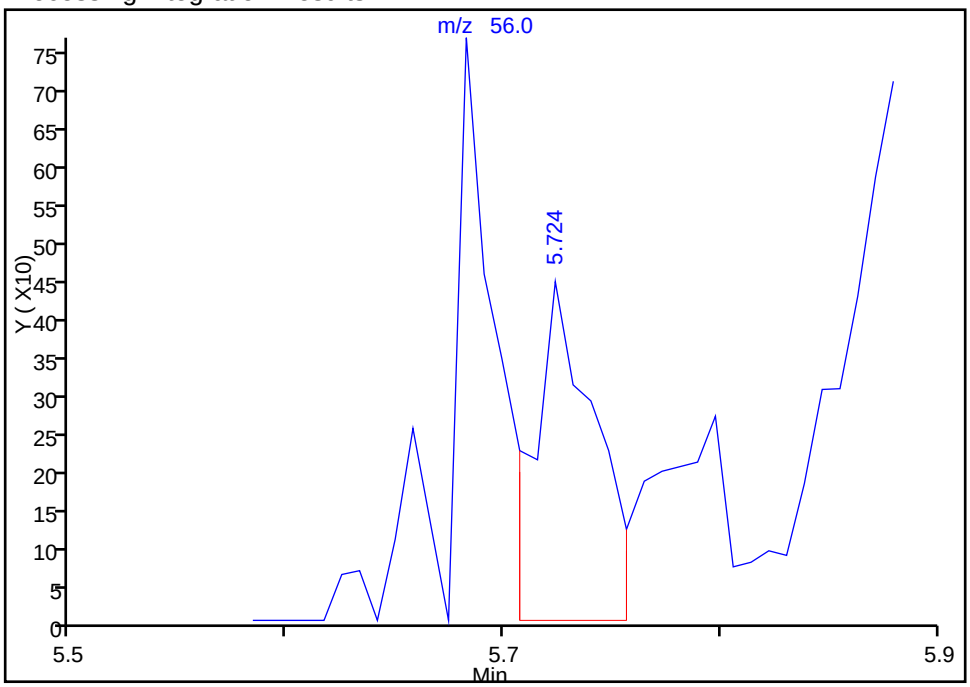
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Injection Date: 17-Apr-2017 22:14:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

62 n-Butanol, CAS: 71-36-3

Signal: 1

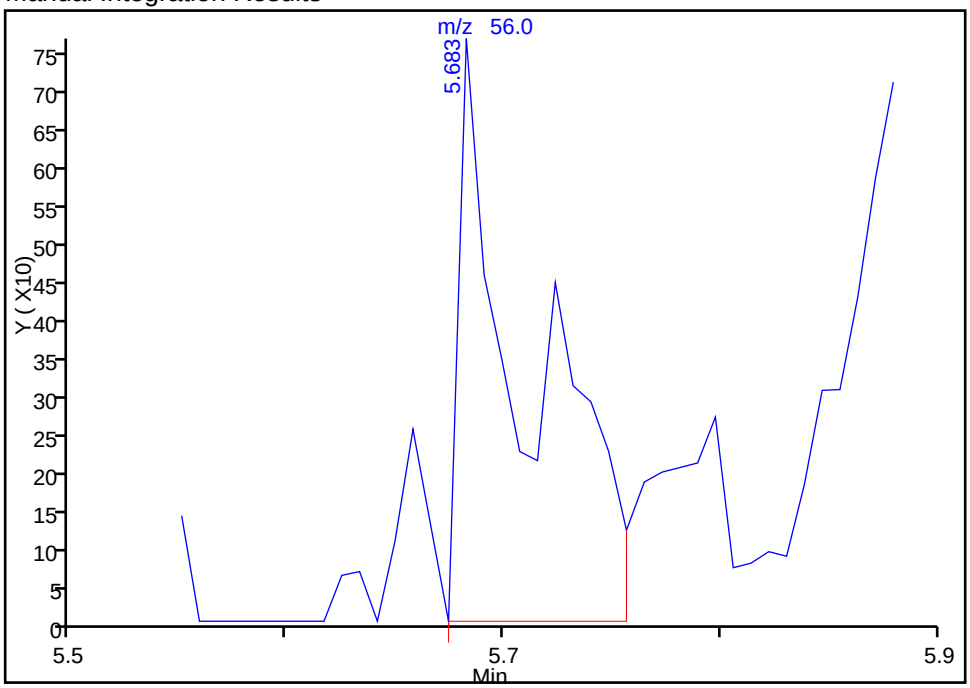
Processing Integration Results

RT: 5.72
Area: 893
Amount: 14.866977
Amount Units: ug/l



Manual Integration Results

RT: 5.68
Area: 1660
Amount: 25.868478
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:19:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

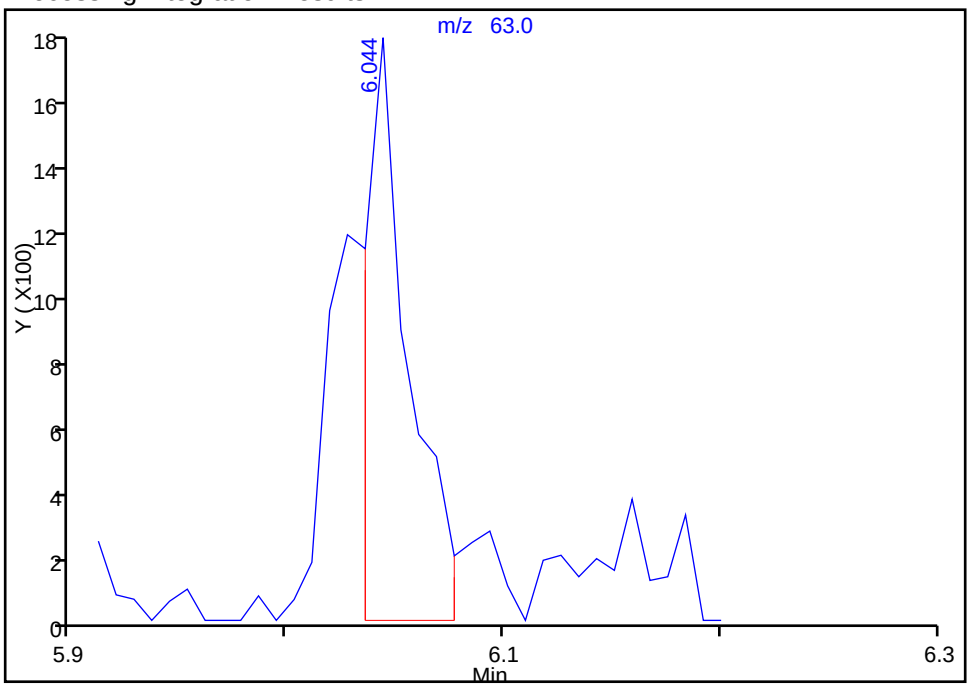
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Injection Date: 17-Apr-2017 22:14:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

66 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

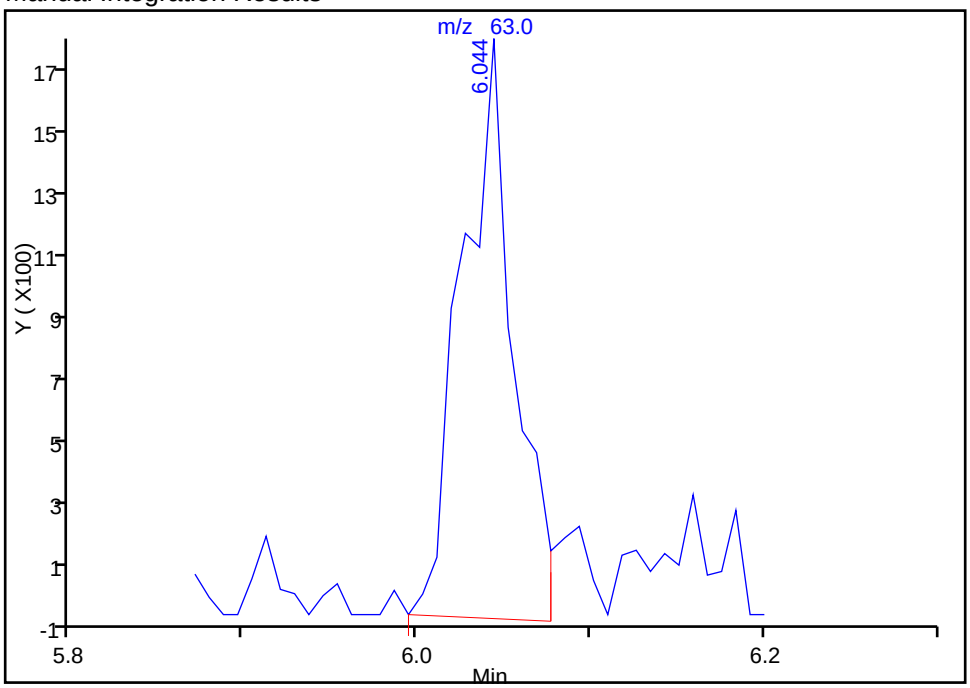
Processing Integration Results

RT: 6.04
Area: 2438
Amount: 0.749676
Amount Units: ug/l



Manual Integration Results

RT: 6.04
Area: 3629
Amount: 1.051710
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:20:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45945.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Apr-2017 22:38:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0053865-006
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 18:24:15 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: moroneyc Date: 18-Apr-2017 11:51:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.566	1.549	0.017	90	25026	5.00	5.64	
1 Chlorotrifluoroethene	66	1.533	1.558	-0.025	37	2890	5.00	4.33	
3 Chloromethane	50	1.738	1.747	-0.009	85	26004	5.00	4.88	
4 Vinyl chloride	62	1.837	1.812	0.025	66	18690	5.00	4.51	
5 Butadiene	54	1.853	1.837	0.016	88	13815	5.00	4.86	
6 Bromomethane	94	2.108	2.116	-0.008	97	20948	5.00	5.72	
7 Chloroethane	64	2.174	2.174	0.000	82	10978	5.00	4.62	
8 Dichlorofluoromethane	67	2.355	2.355	0.000	75	22293	5.00	5.32	
9 Trichlorofluoromethane	101	2.355	2.355	0.000	93	23348	5.00	5.20	
10 Pentane	72	2.396	2.388	0.008	96	4409	10.0	8.80	
12 Ethyl ether	59	2.593	2.585	0.008	90	13421	5.00	5.80	
11 Ethanol	46	2.585	2.585	0.000	16	1266	200.0	192.1	
13 2-Methyl-1,3-butadiene	53	2.609	2.609	0.000	92	12340	5.00	5.15	
14 1,2-Dichloro-1,1,2-trifluo	117	2.642	2.634	0.008	87	11126	5.00	5.14	
15 Acrolein	56	2.766	2.766	0.000	81	6239	20.0	24.0	
16 1,1,2-Trichloro-1,2,2-trif	101	2.757	2.766	-0.009	84	10588	5.00	4.97	
17 1,1-Dichloroethene	96	2.798	2.798	0.000	98	14572	5.00	5.26	
18 Acetone	43	2.889	2.889	0.000	71	24620	25.0	29.8	
19 Iodomethane	142	2.955	2.946	0.008	99	31185	5.00	5.66	
21 Carbon disulfide	76	2.987	2.987	0.000	99	49027	5.00	5.57	
20 Isopropyl alcohol	45	2.987	2.996	-0.009	34	6640	50.0	54.7	
22 3-Chloro-1-propene	41	3.111	3.111	0.000	79	33504	5.00	6.11	
24 Methyl acetate	43	3.127	3.127	0.000	97	47262	25.0	26.5	
23 Cyclopentene	67	3.135	3.135	0.000	88	35176	5.00	5.06	
25 Acetonitrile	41	3.193	3.185	0.008	75	13476	50.0	37.0	
27 Methylene Chloride	84	3.234	3.234	0.000	58	19426	5.00	5.65	
* 26 TBA-d9 (IS)	65	3.234	3.234	0.000	95	150806	1000.0	1000.0	M
28 2-Methyl-2-propanol	59	3.291	3.316	-0.025	1	13310	50.0	50.1	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	90	39366	5.00	5.86	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	94	21450	5.00	5.83	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.505	3.505	0.000	95	53673	50.0	55.0	
32 Hexane	43	3.571	3.571	0.000	90	11655	5.00	4.53	
33 Isopropyl ether	45	3.793	3.793	0.000	93	51884	5.00	5.80	
34 1,1-Dichloroethane	63	3.826	3.817	0.009	75	33672	5.00	5.66	
35 Vinyl acetate	86	3.834	3.825	0.009	92	7143	10.0	11.7	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	92	15789	5.00	5.09	
37 Tert-butyl ethyl ether	59	4.105	4.097	0.008	90	46519	5.00	5.98	
* 38 2-Butanone-d5	46	4.310	4.302	0.008	85	97672	250.0	250.0	
39 2,2-Dichloropropane	97	4.319	4.327	-0.008	68	6306	5.00	5.97	
40 cis-1,2-Dichloroethene	96	4.335	4.343	-0.008	94	24642	5.00	5.89	
42 Ethyl acetate	70	4.351	4.343	0.008	92	3495	10.0	9.53	
41 2-Butanone (MEK)	72	4.360	4.351	0.009	96	9301	25.0	28.1	
43 Methyl acrylate	55	4.409	4.409	0.000	86	9273	5.00	4.63	
44 Propionitrile	54	4.491	4.491	0.000	98	20311	50.0	55.7	
46 Tetrahydrofuran	72	4.573	4.565	0.008	52	4898	10.0	11.3	
45 Chlorobromomethane	128	4.565	4.565	0.000	81	11395	5.00	5.34	
47 Methacrylonitrile	67	4.590	4.590	0.000	93	56961	50.0	51.7	
48 Chloroform	83	4.614	4.614	0.000	98	35284	5.00	5.42	
49 Cyclohexane	84	4.754	4.754	0.000	84	19792	5.00	5.14	
50 1,1,1-Trichloroethane	97	4.762	4.770	-0.008	95	28692	5.00	5.60	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	98	136197	50.0	50.6	
52 Carbon tetrachloride	117	4.885	4.894	-0.009	85	24351	5.00	5.21	
53 1,1-Dichloropropene	75	4.918	4.910	0.008	94	22661	5.00	5.20	
54 Isobutyl alcohol	43	5.042	5.025	0.017	87	22461	125.0	151.9	
55 Benzene	78	5.116	5.116	0.000	94	75429	5.00	6.02	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.132	-0.008	96	158277	50.0	49.4	
57 Isopropyl acetate	43	5.165	5.165	0.000	90	45059	5.00	5.56	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	88	50685	5.00	5.68	
59 1,2-Dichloroethane	62	5.198	5.206	-0.008	91	27481	5.00	5.57	
60 n-Heptane	57	5.255	5.263	-0.008	90	10709	5.00	4.90	
* 61 Fluorobenzene	96	5.403	5.403	0.000	99	407348	50.0	50.0	
62 n-Butanol	56	5.691	5.691	0.000	90	9233	125.0	144.6	
63 Trichloroethene	95	5.748	5.748	0.000	97	19964	5.00	5.48	
65 Ethyl acrylate	55	5.872	5.872	0.000	92	31968	5.00	4.83	
64 Methylcyclohexane	83	5.880	5.880	0.000	93	25447	5.00	5.03	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	84	18117	5.00	5.65	
* 67 1,4-Dioxane-d8	96	6.110	6.102	0.008	87	15939	1000.0	1000.0	
68 Methyl methacrylate	100	6.118	6.118	0.000	89	9134	10.0	10.9	
69 1,4-Dioxane	88	6.176	6.167	0.009	26	2792	100.0	106.0	
70 n-Propyl acetate	43	6.167	6.167	0.000	98	17782	5.00	5.06	
71 Dibromomethane	93	6.176	6.176	0.000	85	13099	5.00	5.76	
72 Dichlorobromomethane	83	6.323	6.323	0.000	97	22771	5.00	5.16	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	73	8267	5.00	5.20	
73 2-Nitropropane	41	6.660	6.660	0.000	83	7554	10.0	9.82	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	23552	100.0	97.3	
76 cis-1,3-Dichloropropene	75	6.816	6.816	0.000	95	25547	5.00	5.37	
77 4-Methyl-2-pentanone (MIBK	43	6.997	6.997	0.000	96	63990	25.0	25.4	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	486433	50.0	51.2	
79 Toluene	91	7.145	7.153	-0.008	94	77482	5.00	5.79	
80 trans-1,3-Dichloropropene	75	7.490	7.490	0.000	97	21711	5.00	5.04	
81 Ethyl methacrylate	69	7.531	7.531	0.000	86	17862	5.00	5.11	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	91	13142	5.00	5.74	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.753	7.761	-0.008	95	23392	5.00	5.61	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	94	23892	5.00	5.57	
85 2-Hexanone	43	7.991	7.991	0.000	98	45422	25.0	27.6	
86 n-Butyl acetate	43	8.107	8.107	0.000	96	21737	5.00	5.34	
87 Chlorodibromomethane	129	8.156	8.156	0.000	96	17869	5.00	5.13	
88 Ethylene Dibromide	107	8.320	8.312	0.008	99	15358	5.00	5.51	
* 89 Chlorobenzene-d5	117	8.862	8.871	-0.009	85	345915	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	96	56163	5.00	5.77	
91 Ethylbenzene	106	9.010	9.010	0.000	98	30052	5.00	5.57	
92 1,1,1,2-Tetrachloroethane	131	9.027	9.027	0.000	92	22142	5.00	5.61	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	96	38521	5.00	5.71	
94 n-Butyl acrylate	73	9.577	9.577	0.000	95	12761	5.00	5.07	
95 o-Xylene	106	9.586	9.594	-0.008	95	39164	5.00	5.72	
96 Styrene	104	9.618	9.618	0.000	96	63038	5.00	5.74	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	92	30227	5.00	4.95	
98 Bromoform	173	9.816	9.816	0.000	97	14558	5.00	5.35	
99 Isopropylbenzene	105	9.931	9.931	0.000	95	99117	5.00	6.00	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	216654	50.0	51.7	
101 Bromobenzene	156	10.218	10.218	0.000	88	32793	5.00	5.72	
102 1,1,2,2-Tetrachloroethane	83	10.259	10.251	0.008	96	22140	5.00	5.42	
103 N-Propylbenzene	91	10.276	10.276	0.000	100	113178	5.00	5.82	
104 1,2,3-Trichloropropane	110	10.292	10.300	-0.008	96	7865	5.00	5.50	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	82	5915	5.00	4.68	
106 2-Chlorotoluene	91	10.366	10.366	0.000	98	86489	5.00	5.92	
107 4-Ethyltoluene	105	10.374	10.374	0.000	97	103996	5.00	5.94	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	94	86658	5.00	5.73	
109 4-Chlorotoluene	91	10.457	10.457	0.000	96	77640	5.00	5.90	
110 Butyl Methacrylate	87	10.506	10.506	0.000	90	27717	5.00	5.21	
111 tert-Butylbenzene	119	10.662	10.662	0.000	94	71649	5.00	5.45	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	96	89263	5.00	5.74	
113 sec-Butylbenzene	105	10.818	10.818	0.000	98	104358	5.00	5.30	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	98	97254	5.00	5.71	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	98	64256	5.00	6.02	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	94	255825	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.982	10.982	0.000	97	64207	5.00	5.86	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	99641	5.00	5.63	
118 Benzyl chloride	91	11.089	11.081	0.008	99	45086	5.00	5.20	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	95	103472	5.00	5.85	
120 p-Diethylbenzene	119	11.163	11.163	0.000	97	62764	5.00	5.96	
121 n-Butylbenzene	92	11.180	11.180	0.000	97	46176	5.00	5.34	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	97	59977	5.00	5.91	
123 1,2,4,5-Tetramethylbenzene	119	11.648	11.640	0.008	98	96255	5.00	5.55	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.722	0.000	91	4155	5.00	5.31	
125 1,3,5-Trichlorobenzene	180	11.804	11.804	0.000	97	52019	5.00	5.95	
126 1,2,4-Trichlorobenzene	180	12.215	12.215	0.000	94	44527	5.00	5.65	
127 Hexachlorobutadiene	225	12.281	12.281	0.000	98	20582	5.00	5.19	
128 Naphthalene	128	12.388	12.388	0.000	99	81648	5.00	5.61	
129 1,2,3-Trichlorobenzene	180	12.552	12.552	0.000	95	41340	5.00	5.52	
S 130 1,2-Dichloroethene, Total	100				0		10.0	11.7	
S 131 Xylenes, Total	100				0		10.0	11.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00196	Amount Added:	1.00	Units: uL	
MIX I Hi_00071	Amount Added:	1.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	1.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Apr-2017 18:24:17 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45945.D

Injection Date: 17-Apr-2017 22:38:30 Instrument ID: CVOAMS6 Operator ID:

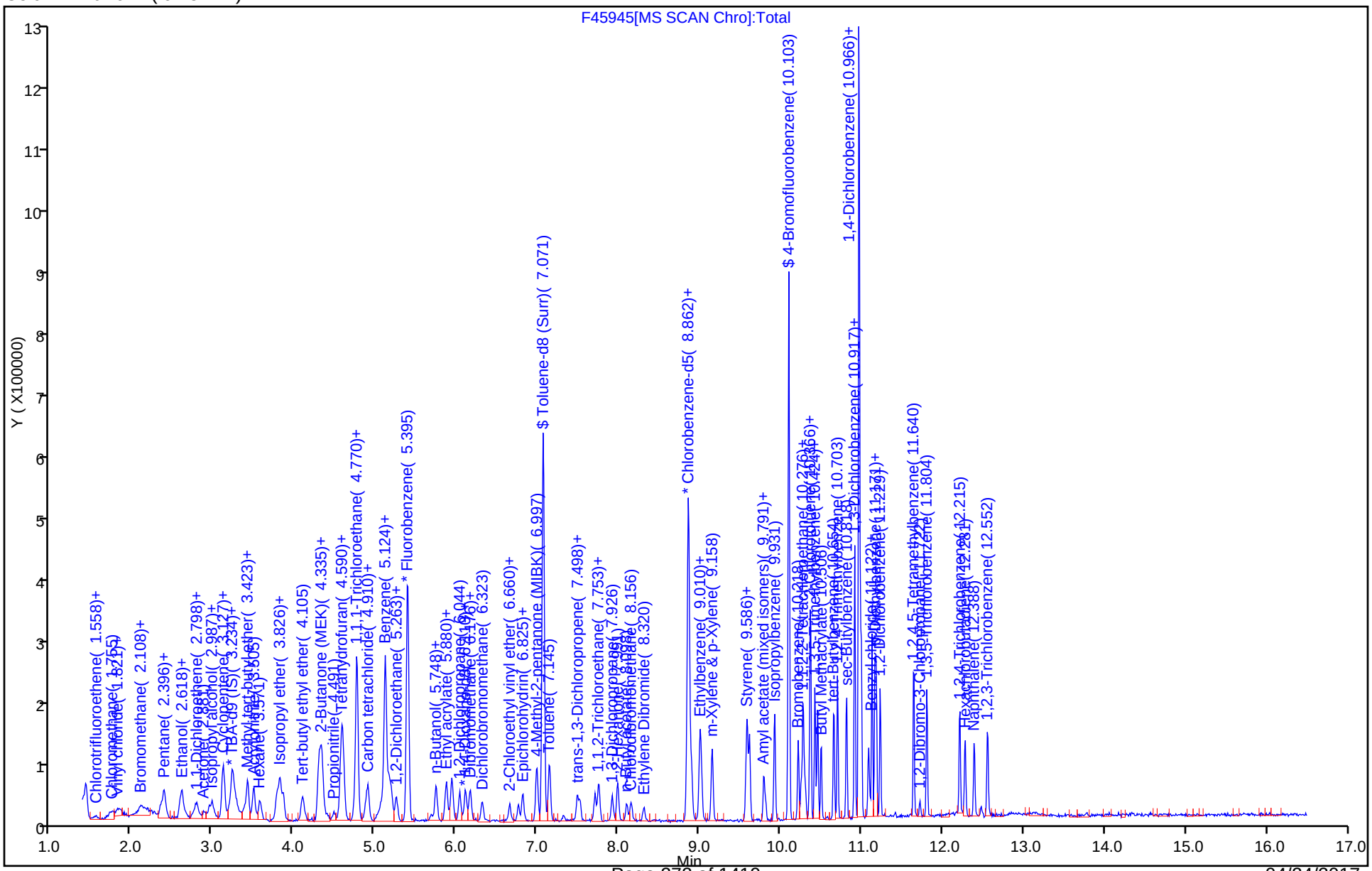
Lims ID: STD5 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

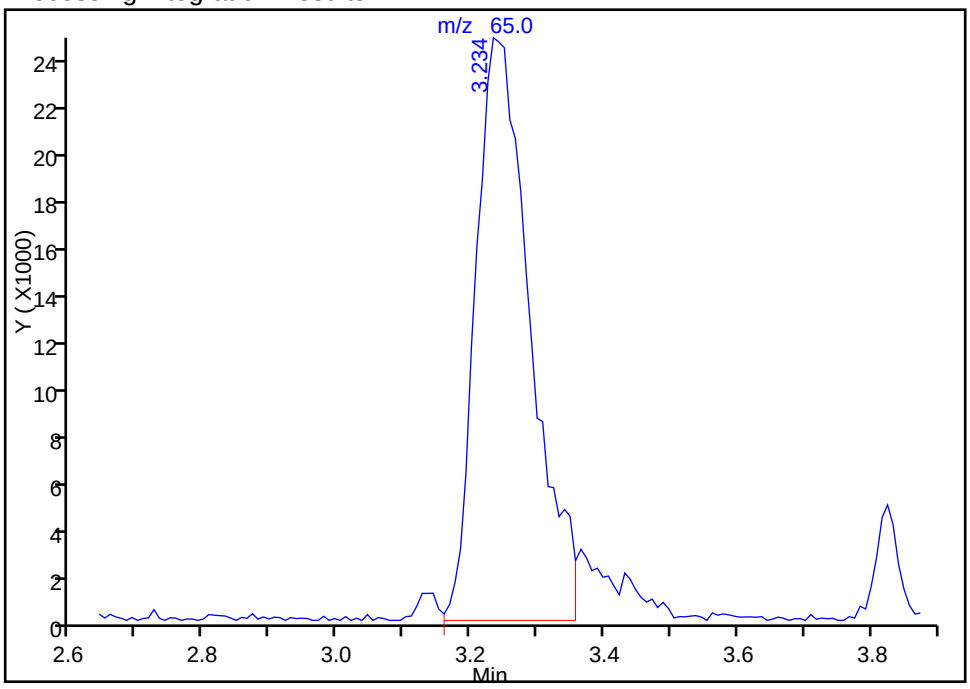
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Injection Date: 17-Apr-2017 22:38:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 26 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

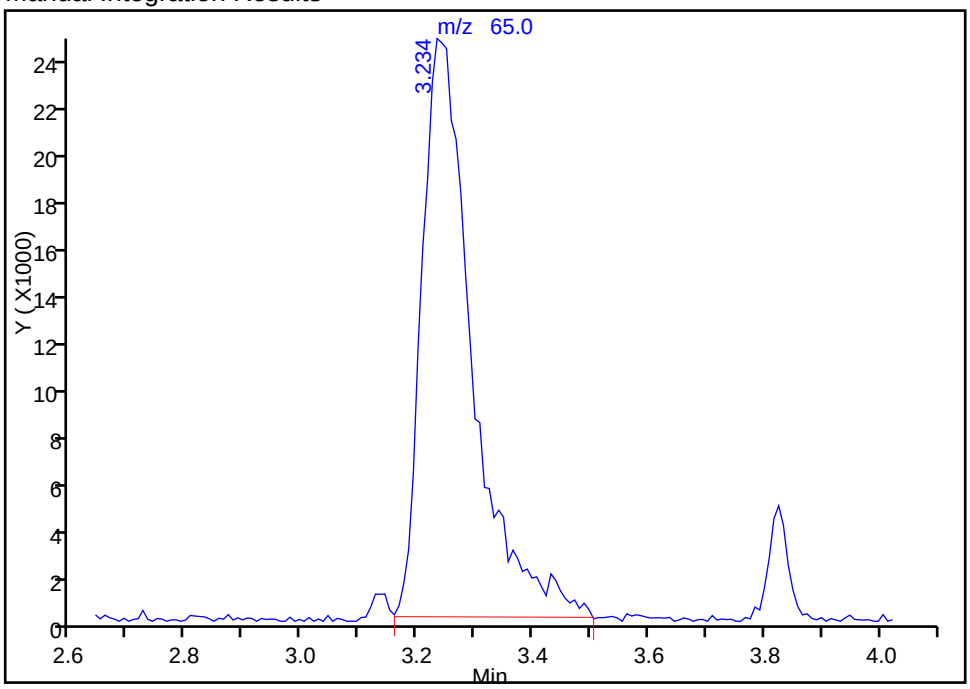
Processing Integration Results

RT: 3.23
Area: 141809
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 3.23
Area: 150806
Amount: 1000.0000
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:40:11
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

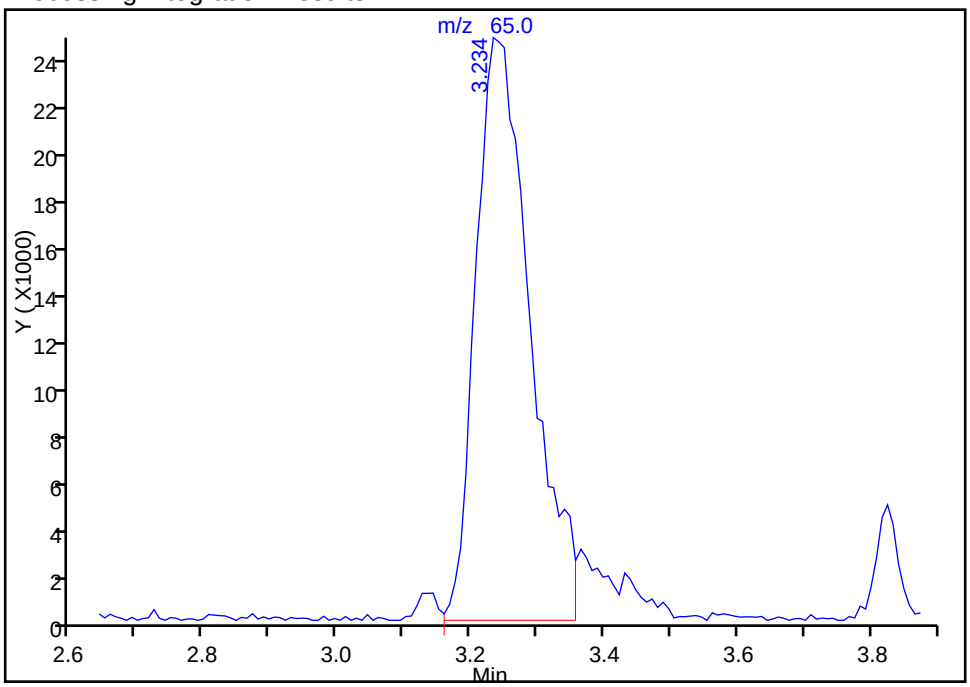
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45945.D
Injection Date: 17-Apr-2017 22:38:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 26 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

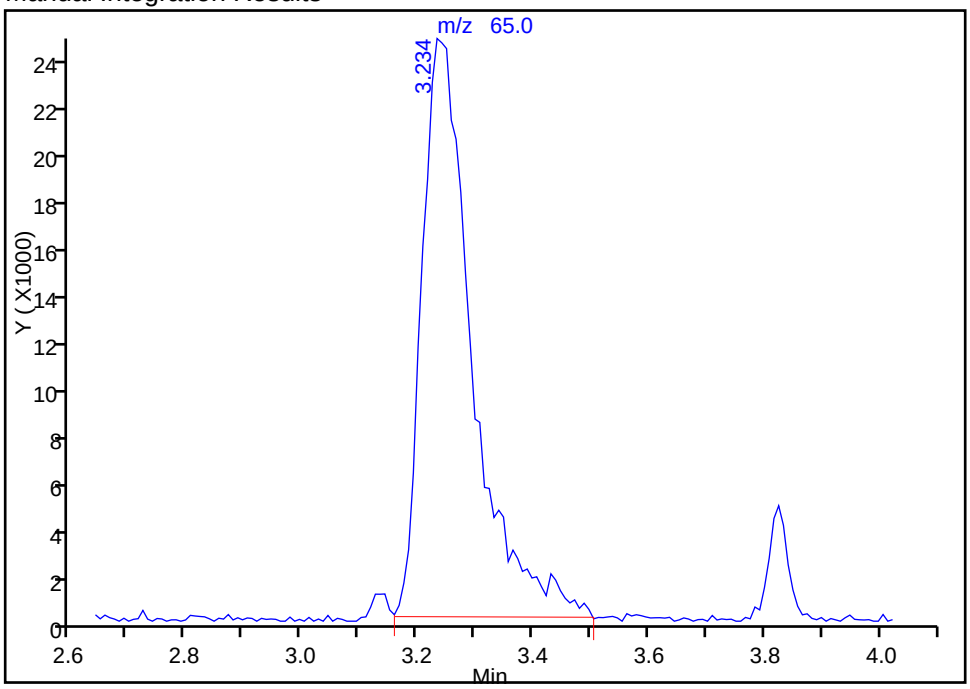
Processing Integration Results

RT: 3.23
Area: 141809
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 3.23
Area: 150806
Amount: 1000.0000
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:40:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45946.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 17-Apr-2017 23:01:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0053865-007
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 18:24:20 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: baronm Date: 22-Apr-2017 18:21:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.549	1.549	0.000	98	98502	20.0	20.5	
1 Chlorotrifluoroethene	66	1.558	1.558	0.000	54	10072	20.0	13.9	
3 Chloromethane	50	1.747	1.747	0.000	99	116104	20.0	20.1	M
4 Vinyl chloride	62	1.812	1.812	0.000	97	100958	20.0	22.5	
5 Butadiene	54	1.837	1.837	0.000	93	66081	20.0	21.5	
6 Bromomethane	94	2.116	2.116	0.000	99	77720	20.0	19.6	
7 Chloroethane	64	2.174	2.174	0.000	68	54293	20.0	21.1	
9 Trichlorofluoromethane	101	2.355	2.355	0.000	96	104011	20.0	21.4	
8 Dichlorofluoromethane	67	2.355	2.355	0.000	93	88959	20.0	19.6	
10 Pentane	72	2.388	2.388	0.000	96	19971	40.0	43.3	
11 Ethanol	46	2.585	2.585	0.000	71	5014	800.0	702.0	
12 Ethyl ether	59	2.585	2.585	0.000	95	52232	20.0	20.9	
13 2-Methyl-1,3-butadiene	53	2.609	2.609	0.000	97	46733	20.0	18.0	
14 1,2-Dichloro-1,1,2-trifluo	117	2.634	2.634	0.000	88	36736	20.0	15.7	
16 1,1,2-Trichloro-1,2,2-trif	101	2.766	2.766	0.000	92	36866	20.0	16.0	
15 Acrolein	56	2.766	2.766	0.000	38	11065	40.0	39.7	
17 1,1-Dichloroethene	96	2.798	2.798	0.000	96	50164	20.0	16.7	
18 Acetone	43	2.889	2.889	0.000	83	87081	100.0	92.4	
19 Iodomethane	142	2.946	2.946	0.000	100	105383	20.0	17.7	
21 Carbon disulfide	76	2.987	2.987	0.000	100	180649	20.0	19.0	
20 Isopropyl alcohol	45	2.996	2.996	0.000	31	25202	200.0	194.0	
22 3-Chloro-1-propene	41	3.111	3.111	0.000	86	117530	20.0	19.8	
24 Methyl acetate	43	3.127	3.127	0.000	97	199608	100.0	103.4	
23 Cyclopentene	67	3.135	3.135	0.000	90	154572	20.0	20.5	
25 Acetonitrile	41	3.185	3.185	0.000	95	78647	200.0	199.3	
* 26 TBA-d9 (IS)	65	3.234	3.234	0.000	73	161280	1000.0	1000.0	
27 Methylene Chloride	84	3.234	3.234	0.000	93	65836	20.0	17.7	
28 2-Methyl-2-propanol	59	3.316	3.316	0.000	95	57342	200.0	201.9	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	96	151151	20.0	20.8	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	94	74344	20.0	18.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.505	3.505	0.000	94	216280	200.0	204.7	
32 Hexane	43	3.571	3.571	0.000	91	53464	20.0	19.2	
33 Isopropyl ether	45	3.793	3.793	0.000	91	197846	20.0	20.4	
34 1,1-Dichloroethane	63	3.817	3.817	0.000	99	127049	20.0	19.7	
35 Vinyl acetate	86	3.825	3.825	0.000	92	27403	40.0	41.3	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	93	65104	20.0	19.4	
37 Tert-butyl ethyl ether	59	4.097	4.097	0.000	90	174688	20.0	20.7	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	88	111326	250.0	250.0	
39 2,2-Dichloropropane	97	4.327	4.327	0.000	94	22046	20.0	19.3	
42 Ethyl acetate	70	4.343	4.343	0.000	93	13254	40.0	41.0	
40 cis-1,2-Dichloroethene	96	4.343	4.343	0.000	96	89798	20.0	19.8	
41 2-Butanone (MEK)	72	4.351	4.351	0.000	96	33348	100.0	95.6	
43 Methyl acrylate	55	4.409	4.409	0.000	90	44738	20.0	20.2	
44 Propionitrile	54	4.491	4.491	0.000	97	78706	200.0	199.3	
45 Chlorobromomethane	128	4.565	4.565	0.000	75	43096	20.0	18.6	
46 Tetrahydrofuran	72	4.565	4.565	0.000	54	16096	40.0	38.3	
47 Methacrylonitrile	67	4.590	4.590	0.000	91	246128	200.0	206.6	
48 Chloroform	83	4.614	4.614	0.000	98	139873	20.0	19.8	
49 Cyclohexane	84	4.754	4.754	0.000	91	78222	20.0	18.8	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	99	140494	50.0	48.3	
50 1,1,1-Trichloroethane	97	4.770	4.770	0.000	98	105691	20.0	19.1	
52 Carbon tetrachloride	117	4.894	4.894	0.000	97	93336	20.0	18.5	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	94	88745	20.0	18.8	
54 Isobutyl alcohol	43	5.025	5.025	0.000	85	79226	500.0	501.0	
55 Benzene	78	5.116	5.116	0.000	95	278817	20.0	20.2	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.132	5.132	0.000	98	172361	50.0	49.7	
57 Isopropyl acetate	43	5.165	5.165	0.000	91	192178	20.0	21.9	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	87	201202	20.0	20.8	
59 1,2-Dichloroethane	62	5.206	5.206	0.000	97	101829	20.0	19.1	
60 n-Heptane	57	5.263	5.263	0.000	88	47191	20.0	19.9	
* 61 Fluorobenzene	96	5.403	5.403	0.000	99	440871	50.0	50.0	
62 n-Butanol	56	5.691	5.691	0.000	86	33612	500.0	492.2	
63 Trichloroethene	95	5.748	5.748	0.000	96	73532	20.0	18.6	
65 Ethyl acrylate	55	5.872	5.872	0.000	96	147382	20.0	20.6	
64 Methylcyclohexane	83	5.880	5.880	0.000	87	109987	20.0	20.1	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	83	66094	20.0	19.0	
* 67 1,4-Dioxane-d8	96	6.102	6.102	0.000	49	15548	1000.0	1000.0	M
68 Methyl methacrylate	100	6.118	6.118	0.000	89	33669	40.0	37.2	
70 n-Propyl acetate	43	6.167	6.167	0.000	97	72176	20.0	19.0	
69 1,4-Dioxane	88	6.167	6.167	0.000	28	10709	400.0	416.7	
71 Dibromomethane	93	6.176	6.176	0.000	81	45864	20.0	18.6	
72 Dichlorobromomethane	83	6.323	6.323	0.000	99	90145	20.0	18.9	
73 2-Nitropropane	41	6.660	6.660	0.000	82	30204	40.0	36.3	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	76	32673	20.0	19.0	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	107162	400.0	388.5	
76 cis-1,3-Dichloropropene	75	6.816	6.816	0.000	92	100893	20.0	19.2	
77 4-Methyl-2-pentanone (MIBK	43	6.997	6.997	0.000	96	304439	100.0	106.1	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	516853	50.0	49.3	
79 Toluene	91	7.153	7.153	0.000	96	290870	20.0	19.7	
80 trans-1,3-Dichloropropene	75	7.490	7.490	0.000	98	92331	20.0	19.4	
81 Ethyl methacrylate	69	7.531	7.531	0.000	89	79551	20.0	20.6	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	95	51450	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
83 Tetrachloroethene	166	7.761	7.761	0.000	97	88439	20.0	19.3	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	93	98618	20.0	20.9	
85 2-Hexanone	43	7.991	7.991	0.000	96	194462	100.0	103.7	
86 n-Butyl acetate	43	8.107	8.107	0.000	97	89832	20.0	20.0	
87 Chlorodibromomethane	129	8.156	8.156	0.000	98	74720	20.0	19.5	
88 Ethylene Dibromide	107	8.312	8.312	0.000	99	61428	20.0	20.0	
* 89 Chlorobenzene-d5	117	8.871	8.871	0.000	85	381331	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	96	217027	20.0	20.2	
91 Ethylbenzene	106	9.010	9.010	0.000	98	115988	20.0	19.5	
92 1,1,1,2-Tetrachloroethane	131	9.027	9.027	0.000	93	89129	20.0	20.5	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	95	149259	20.0	20.1	
94 n-Butyl acrylate	73	9.577	9.577	0.000	97	55734	20.0	20.1	
95 o-Xylene	106	9.594	9.594	0.000	95	155716	20.0	20.6	
96 Styrene	104	9.618	9.618	0.000	97	261855	20.0	21.6	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	92	139820	20.0	21.3	
98 Bromoform	173	9.816	9.816	0.000	98	60675	20.0	20.2	
99 Isopropylbenzene	105	9.931	9.931	0.000	96	384756	20.0	21.1	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	235137	50.0	50.9	
101 Bromobenzene	156	10.218	10.218	0.000	90	119227	20.0	19.4	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	97	91148	20.0	20.8	
103 N-Propylbenzene	91	10.276	10.276	0.000	100	453307	20.0	21.7	
104 1,2,3-Trichloropropane	110	10.300	10.300	0.000	96	30034	20.0	19.6	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	83	26851	20.0	19.8	
106 2-Chlorotoluene	91	10.366	10.366	0.000	97	326698	20.0	20.8	
107 4-Ethyltoluene	105	10.374	10.374	0.000	98	410183	20.0	21.8	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	94	348509	20.0	21.5	
109 4-Chlorotoluene	91	10.457	10.457	0.000	97	298399	20.0	21.1	
110 Butyl Methacrylate	87	10.506	10.506	0.000	93	116161	20.0	20.4	
111 tert-Butylbenzene	119	10.662	10.662	0.000	96	291875	20.0	20.7	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	97	362457	20.0	21.7	
113 sec-Butylbenzene	105	10.818	10.818	0.000	98	429732	20.0	20.4	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	98	234360	20.0	20.5	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	97	385393	20.0	21.1	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	94	274456	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.982	10.982	0.000	96	243409	20.0	20.7	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	382966	20.0	20.2	
118 Benzyl chloride	91	11.081	11.081	0.000	99	194545	20.0	20.9	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	95	392891	20.0	20.7	
120 p-Diethylbenzene	119	11.163	11.163	0.000	95	234558	20.0	20.7	
121 n-Butylbenzene	92	11.180	11.180	0.000	96	190933	20.0	20.6	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	98	230339	20.0	21.2	
123 1,2,4,5-Tetramethylbenzene	119	11.640	11.640	0.000	99	374005	20.0	20.1	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.722	0.000	94	15632	20.0	18.6	
125 1,3,5-Trichlorobenzene	180	11.804	11.804	0.000	97	184080	20.0	19.6	
126 1,2,4-Trichlorobenzene	180	12.215	12.215	0.000	94	173227	20.0	20.5	
127 Hexachlorobutadiene	225	12.281	12.281	0.000	98	81315	20.0	19.1	
128 Naphthalene	128	12.388	12.388	0.000	99	319609	20.0	20.5	
129 1,2,3-Trichlorobenzene	180	12.552	12.552	0.000	96	161175	20.0	20.1	
S 130 1,2-Dichloroethene, Total	100				0		40.0	38.5	
S 131 Xylenes, Total	100				0		40.0	40.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00196	Amount Added:	2.00	Units: uL	
MIX I Hi_00071	Amount Added:	2.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	2.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Apr-2017 18:24:21 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45946.D

Injection Date: 17-Apr-2017 23:01:30 Instrument ID: CVOAMS6 Operator ID:

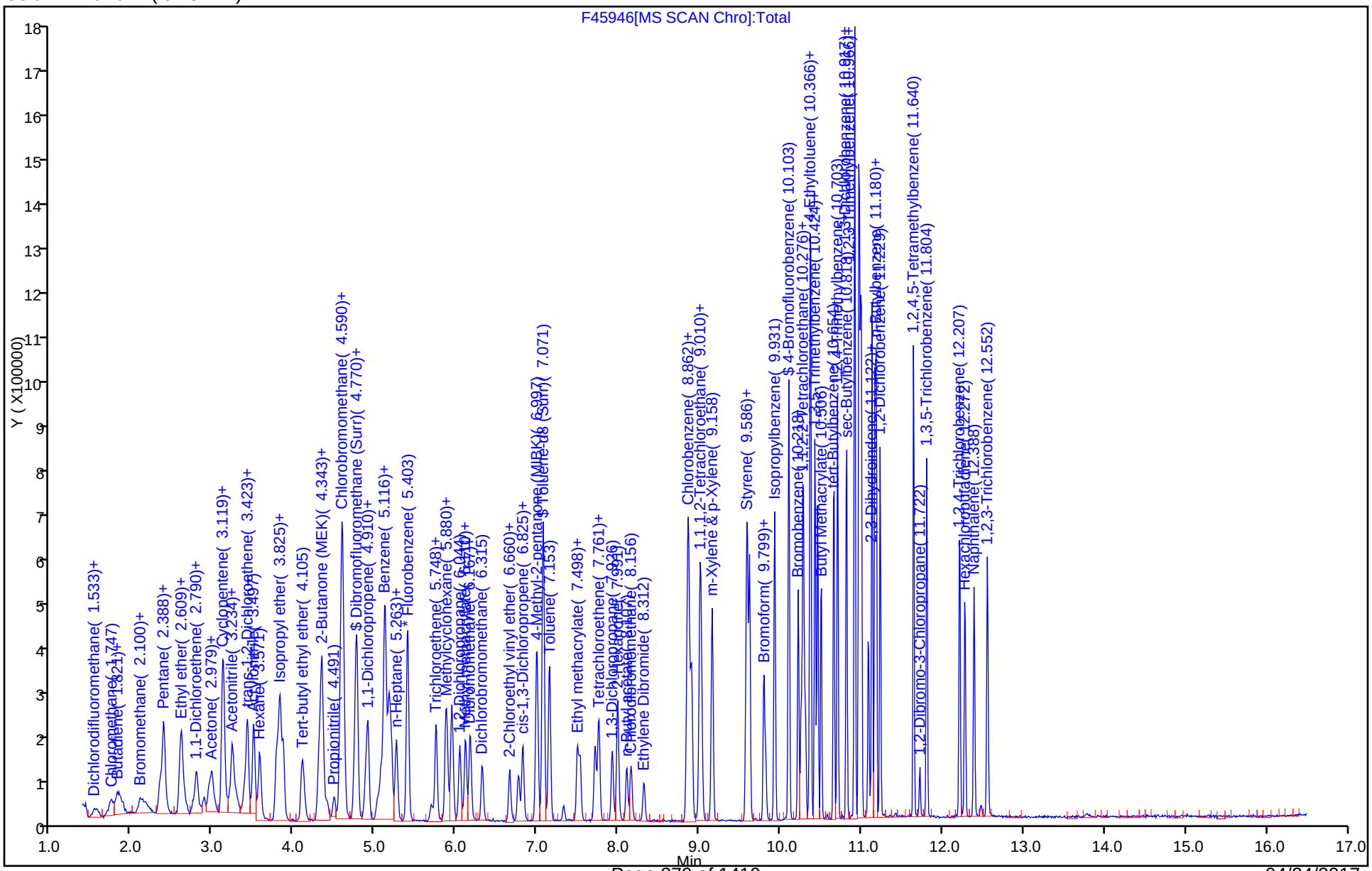
Lims ID: STD20 Worklist Smp#: 7

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

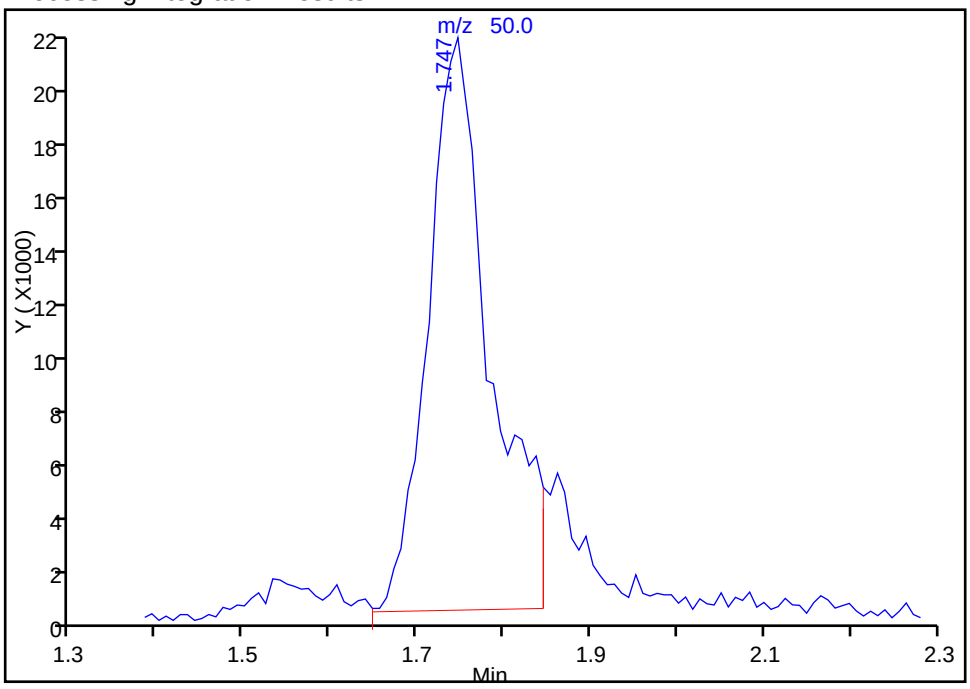
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Injection Date: 17-Apr-2017 23:01:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

3 Chloromethane, CAS: 74-87-3

Signal: 1

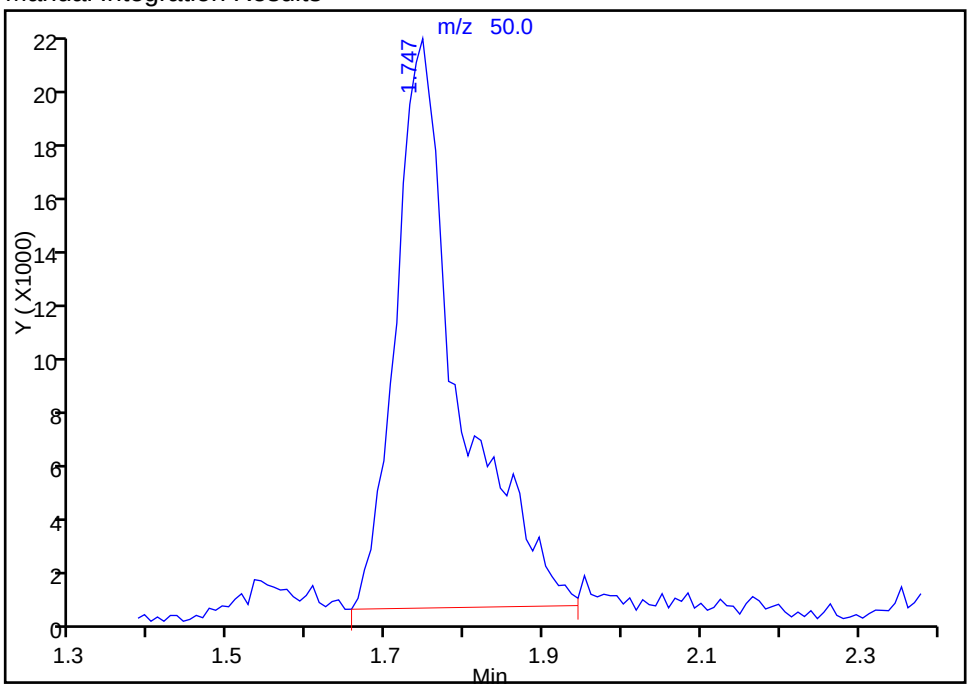
Processing Integration Results

RT: 1.75
Area: 105219
Amount: 18.642178
Amount Units: ug/l



Manual Integration Results

RT: 1.75
Area: 116104
Amount: 20.140707
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:12:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

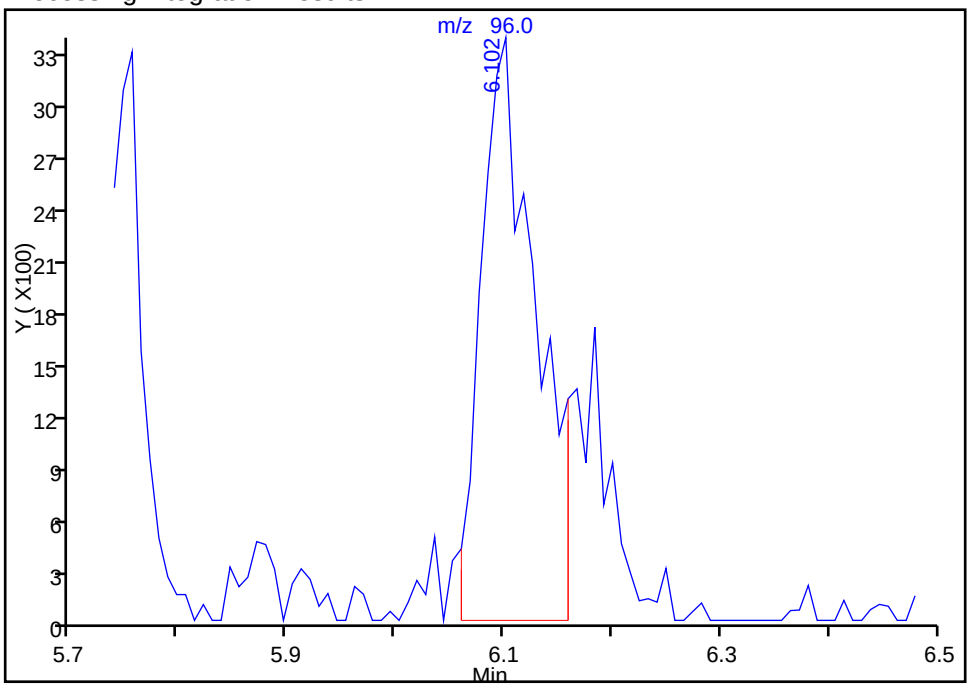
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45946.D
Injection Date: 17-Apr-2017 23:01:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 67 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

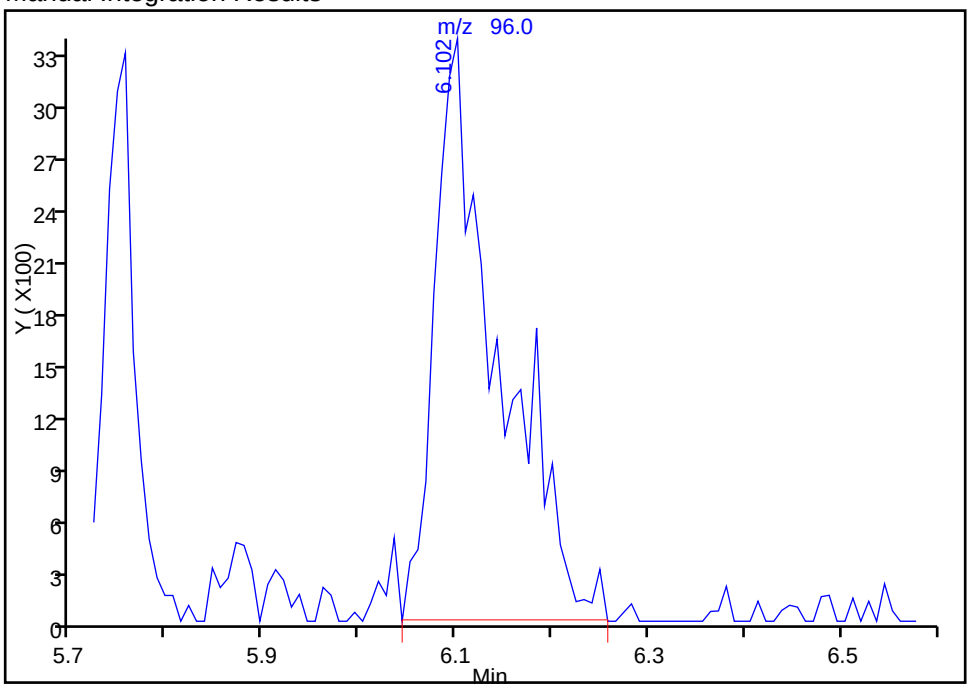
Processing Integration Results

RT: 6.10
Area: 12069
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 6.10
Area: 15548
Amount: 1000.0000
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:11:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45947.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Apr-2017 23:24:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0053865-008
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 18:24:26 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: moroneyc Date: 18-Apr-2017 11:40:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.574	1.549	0.025	65	248293	50.0	49.2	
1 Chlorotrifluoroethene	66	1.566	1.558	0.008	32	40683	50.0	53.6	
3 Chloromethane	50	1.739	1.747	-0.008	99	295519	50.0	48.8	
4 Vinyl chloride	62	1.804	1.812	-0.008	97	245452	50.0	52.1	
5 Butadiene	54	1.837	1.837	0.000	92	158574	50.0	49.0	
6 Bromomethane	94	2.108	2.116	-0.008	99	185792	50.0	44.6	
7 Chloroethane	64	2.174	2.174	0.000	40	137503	50.0	50.9	
8 Dichlorofluoromethane	67	2.355	2.355	0.000	89	209617	50.0	44.0	
9 Trichlorofluoromethane	101	2.355	2.355	0.000	96	253179	50.0	49.6	
10 Pentane	72	2.388	2.388	0.000	94	47142	100.0	100.2	
12 Ethyl ether	59	2.585	2.585	0.000	95	128010	50.0	48.7	
11 Ethanol	46	2.585	2.585	0.000	67	20747	2000.0	2442.5	M
13 2-Methyl-1,3-butadiene	53	2.610	2.609	0.001	97	121450	50.0	44.5	
14 1,2-Dichloro-1,1,2-trifluo	117	2.626	2.634	-0.008	75	124663	50.0	50.6	
15 Acrolein	56	2.757	2.766	-0.009	65	27195	100.0	85.9	
16 1,1,2-Trichloro-1,2,2-trif	101	2.782	2.766	0.016	97	117641	50.0	48.6	
17 1,1-Dichloroethene	96	2.790	2.798	-0.008	99	151600	50.0	48.1	
18 Acetone	43	2.889	2.889	0.000	87	242079	250.0	257.1	
19 Iodomethane	142	2.946	2.946	0.000	99	301307	50.0	48.1	
21 Carbon disulfide	76	2.988	2.987	0.001	99	496102	50.0	49.5	
20 Isopropyl alcohol	45	2.979	2.996	-0.017	31	65448	500.0	443.0	
22 3-Chloro-1-propene	41	3.111	3.111	0.000	93	313808	50.0	50.3	
24 Methyl acetate	43	3.119	3.127	-0.008	99	505406	250.0	249.2	
23 Cyclopentene	67	3.135	3.135	0.000	92	380842	50.0	48.1	
25 Acetonitrile	41	3.185	3.185	0.000	92	212641	500.0	512.8	
27 Methylene Chloride	84	3.234	3.234	0.000	91	177663	50.0	45.4	
* 26 TBA-d9 (IS)	65	3.242	3.234	0.008	94	183427	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.300	3.316	-0.016	33	156129	500.0	483.3	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	97	383242	50.0	50.1	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	94	193117	50.0	46.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.497	3.505	-0.008	94	538338	500.0	484.8	
32 Hexane	43	3.571	3.571	0.000	91	156143	50.0	53.3	
33 Isopropyl ether	45	3.785	3.793	-0.008	92	506735	50.0	49.8	
34 1,1-Dichloroethane	63	3.826	3.817	0.009	99	327662	50.0	48.5	
35 Vinyl acetate	86	3.834	3.825	0.009	94	65453	100.0	93.9	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	93	162246	50.0	46.0	
37 Tert-butyl ethyl ether	59	4.097	4.097	0.000	90	436469	50.0	49.3	
* 38 2-Butanone-d5	46	4.310	4.302	0.008	59	111197	250.0	250.0	
39 2,2-Dichloropropane	97	4.327	4.327	0.000	96	54654	50.0	45.5	
40 cis-1,2-Dichloroethene	96	4.343	4.343	0.000	98	220101	50.0	46.2	
42 Ethyl acetate	70	4.352	4.343	0.009	96	30904	100.0	100.9	
41 2-Butanone (MEK)	72	4.360	4.351	0.009	96	90649	250.0	265.8	
43 Methyl acrylate	55	4.409	4.409	0.000	98	122396	50.0	51.2	
44 Propionitrile	54	4.491	4.491	0.000	97	197849	500.0	476.6	
46 Tetrahydrofuran	72	4.573	4.565	0.008	55	41091	100.0	102.5	
45 Chlorobromomethane	128	4.565	4.565	0.000	84	111866	50.0	46.1	
47 Methacrylonitrile	67	4.590	4.590	0.000	91	622803	500.0	497.4	
48 Chloroform	83	4.614	4.614	0.000	99	347534	50.0	46.9	
49 Cyclohexane	84	4.754	4.754	0.000	91	236111	50.0	53.9	
50 1,1,1-Trichloroethane	97	4.762	4.770	-0.008	98	285615	50.0	49.0	
$ 51 Dibromofluoromethane (Surr	113	4.771	4.770	0.001	97	153455	50.0	50.2	
52 Carbon tetrachloride	117	4.886	4.894	-0.008	97	270525	50.0	50.9	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	95	245796	50.0	49.6	
54 Isobutyl alcohol	43	5.025	5.025	0.000	29	216936	1250.0	1206.2	
55 Benzene	78	5.116	5.116	0.000	97	718908	50.0	48.2	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.132	-0.008	98	173228	50.0	47.5	
57 Isopropyl acetate	43	5.165	5.165	0.000	96	469943	50.0	51.0	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	91	520235	50.0	51.2	
59 1,2-Dichloroethane	62	5.198	5.206	-0.008	97	263074	50.0	46.9	
60 n-Heptane	57	5.264	5.263	0.001	90	140957	50.0	56.6	
* 61 Fluorobenzene	96	5.403	5.403	0.000	98	463372	50.0	50.0	
62 n-Butanol	56	5.691	5.691	0.000	89	88531	1250.0	1140.0	
63 Trichloroethene	95	5.748	5.748	0.000	97	189895	50.0	45.8	
65 Ethyl acrylate	55	5.872	5.872	0.000	98	407262	50.0	54.1	
64 Methylcyclohexane	83	5.880	5.880	0.000	88	329049	50.0	57.2	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	86	173729	50.0	47.6	
* 67 1,4-Dioxane-d8	96	6.110	6.102	0.008	35	18991	1000.0	1000.0	
68 Methyl methacrylate	100	6.118	6.118	0.000	87	92057	100.0	96.8	
69 1,4-Dioxane	88	6.151	6.167	-0.016	73	29874	1000.0	951.6	
70 n-Propyl acetate	43	6.167	6.167	0.000	98	189907	50.0	47.5	
71 Dibromomethane	93	6.176	6.176	0.000	80	118522	50.0	45.8	
72 Dichlorobromomethane	83	6.324	6.323	0.001	99	240043	50.0	47.8	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	88	87706	50.0	48.5	
73 2-Nitropropane	41	6.660	6.660	0.000	84	80171	100.0	91.6	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	274909	1000.0	997.7	
76 cis-1,3-Dichloropropene	75	6.825	6.816	0.009	93	279582	50.0	49.3	
77 4-Methyl-2-pentanone (MIBK	43	6.997	6.997	0.000	96	797970	250.0	278.4	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	100	568921	50.0	50.2	
79 Toluene	91	7.153	7.153	0.000	94	777445	50.0	48.8	
80 trans-1,3-Dichloropropene	75	7.499	7.490	0.009	95	246867	50.0	48.1	
81 Ethyl methacrylate	69	7.523	7.531	-0.008	89	210450	50.0	50.5	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	93	128201	50.0	47.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.762	7.761	0.001	96	241241	50.0	48.6	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	94	248671	50.0	48.6	
85 2-Hexanone	43	7.992	7.991	0.001	95	499249	250.0	266.7	
86 n-Butyl acetate	43	8.107	8.107	0.000	98	238638	50.0	49.2	
87 Chlorodibromomethane	129	8.156	8.156	0.000	98	201763	50.0	48.6	
88 Ethylene Dibromide	107	8.312	8.312	0.000	99	164064	50.0	49.4	
* 89 Chlorobenzene-d5	117	8.863	8.871	-0.008	85	412219	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	96	564848	50.0	48.7	
91 Ethylbenzene	106	9.011	9.010	0.000	98	314761	50.0	49.0	
92 1,1,1,2-Tetrachloroethane	131	9.027	9.027	0.000	93	234449	50.0	49.8	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	95	397752	50.0	49.5	
94 n-Butyl acrylate	73	9.577	9.577	0.000	96	145712	50.0	48.6	
95 o-Xylene	106	9.594	9.594	0.000	95	411691	50.0	50.5	
96 Styrene	104	9.619	9.618	0.001	96	684508	50.0	52.3	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	92	370930	50.0	51.8	
98 Bromoform	173	9.816	9.816	0.000	98	161990	50.0	50.0	
99 Isopropylbenzene	105	9.931	9.931	0.000	96	1076288	50.0	54.6	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	249393	50.0	49.9	
101 Bromobenzene	156	10.218	10.218	0.000	90	309815	50.0	46.1	
102 1,1,2,2-Tetrachloroethane	83	10.259	10.251	0.008	97	228072	50.0	47.7	
103 N-Propylbenzene	91	10.276	10.276	0.000	100	1220153	50.0	53.5	
104 1,2,3-Trichloropropane	110	10.301	10.300	0.001	97	76545	50.0	45.7	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	88	70575	50.0	47.6	
106 2-Chlorotoluene	91	10.366	10.366	0.000	97	852085	50.0	49.8	
107 4-Ethyltoluene	105	10.375	10.374	0.000	98	1031485	50.0	50.3	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	94	942458	50.0	53.2	
109 4-Chlorotoluene	91	10.457	10.457	0.000	97	782032	50.0	50.7	
110 Butyl Methacrylate	87	10.506	10.506	0.000	93	314498	50.0	50.5	
111 tert-Butylbenzene	119	10.662	10.662	0.000	94	833597	50.0	54.1	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	97	982025	50.0	53.9	
113 sec-Butylbenzene	105	10.818	10.818	0.000	98	1215746	50.0	52.7	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	97	1110864	50.0	55.7	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	98	621026	50.0	49.6	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	92	299723	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.983	10.982	0.001	96	619924	50.0	48.3	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	1007115	50.0	48.5	
118 Benzyl chloride	91	11.089	11.081	0.008	99	524771	50.0	51.7	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	95	1018413	50.0	49.1	
120 p-Diethylbenzene	119	11.163	11.163	0.000	95	618489	50.0	50.1	
121 n-Butylbenzene	92	11.180	11.180	0.000	96	542849	50.0	53.6	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	97	595683	50.0	50.1	
123 1,2,4,5-Tetramethylbenzene	119	11.640	11.640	0.000	98	1009643	50.0	49.7	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.722	0.000	93	47794	50.0	52.1	
125 1,3,5-Trichlorobenzene	180	11.804	11.804	0.000	97	497962	50.0	48.7	
126 1,2,4-Trichlorobenzene	180	12.215	12.215	0.000	94	469960	50.0	50.9	
127 Hexachlorobutadiene	225	12.281	12.281	0.000	98	239008	50.0	51.5	
128 Naphthalene	128	12.388	12.388	0.000	99	929081	50.0	54.5	
129 1,2,3-Trichlorobenzene	180	12.552	12.552	0.000	96	447987	50.0	51.1	
S 130 1,2-Dichloroethene, Total	100				0		100.0	92.4	
S 131 Xylenes, Total	100				0		100.0	100.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00196	Amount Added:	5.00	Units: uL	
MIX I Hi_00071	Amount Added:	5.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	5.00	Units: uL	
ACROLEIN W_00063	Amount Added:	10.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Apr-2017 18:24:27 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45947.D

Injection Date: 17-Apr-2017 23:24:30 Instrument ID: CVOAMS6 Operator ID:

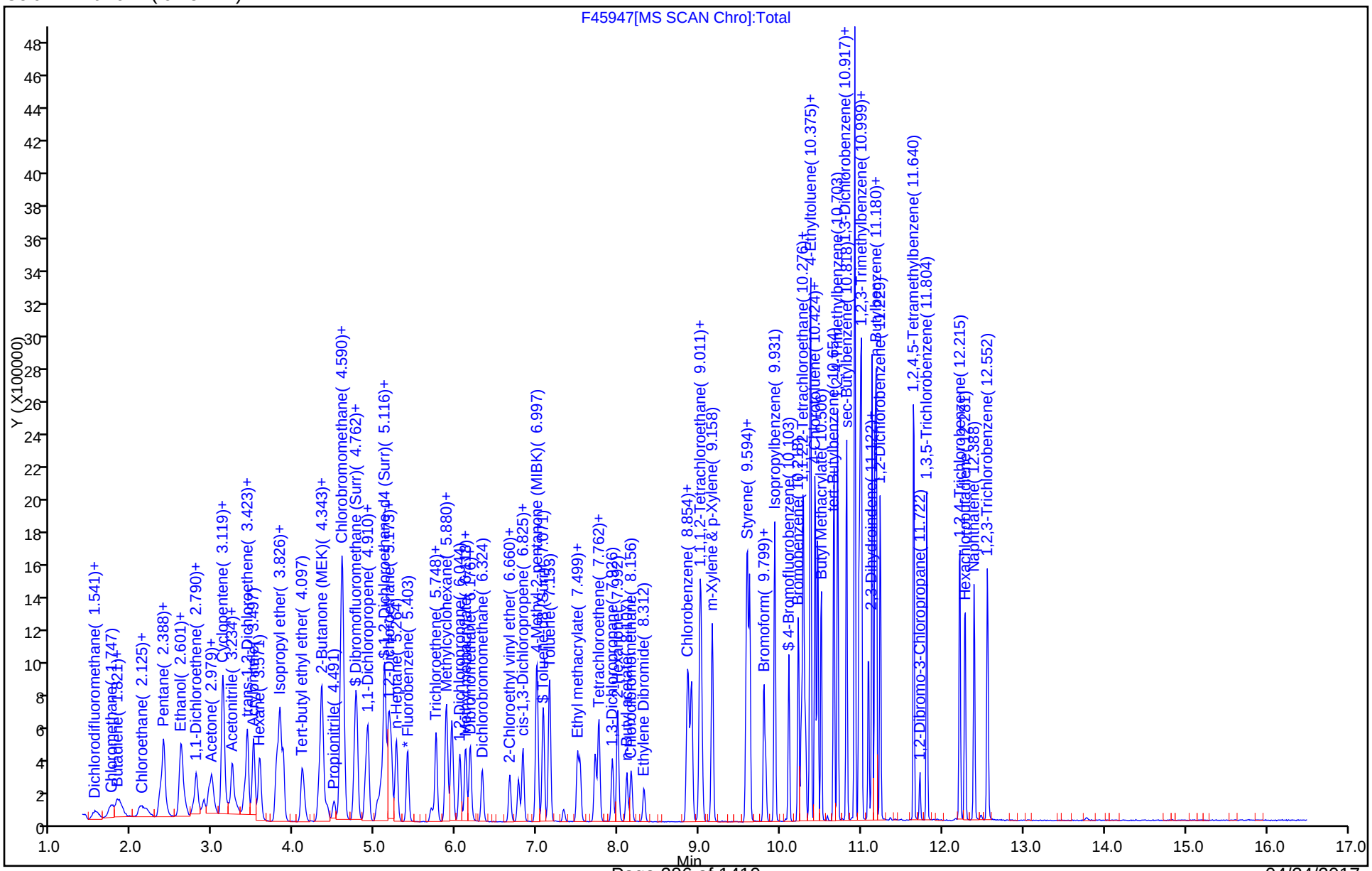
Lims ID: STD50 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

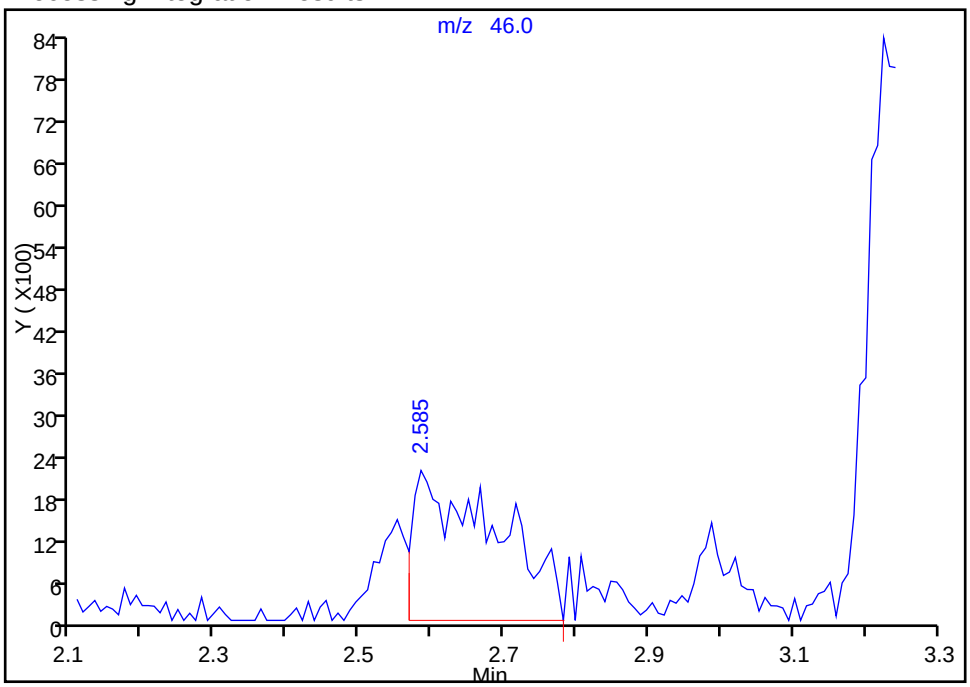
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Injection Date: 17-Apr-2017 23:24:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

11 Ethanol, CAS: 64-17-5

Signal: 1

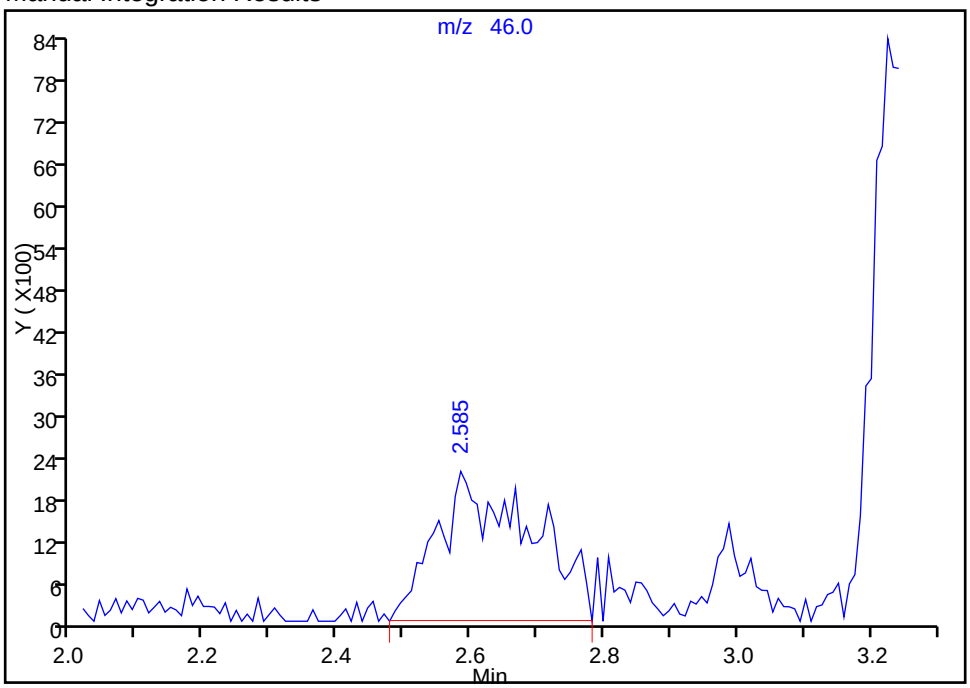
Processing Integration Results

RT: 2.58
Area: 17035
Amount: 1999.4692
Amount Units: ug/l



Manual Integration Results

RT: 2.58
Area: 20747
Amount: 2442.5462
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:10:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45948.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Apr-2017 23:47:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0053865-009
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 18:24:30 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: moroneyc Date: 18-Apr-2017 11:45:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.558	1.549	0.009	99	1015290	200.0	186.5	
1 Chlorotrifluoroethene	66	1.533	1.558	-0.025	49	178496	200.0	217.9	
3 Chloromethane	50	1.738	1.747	-0.009	99	1098577	200.0	168.0	
4 Vinyl chloride	62	1.821	1.812	0.008	98	983355	200.0	193.2	
5 Butadiene	54	1.837	1.837	0.000	95	672881	200.0	192.7	
6 Bromomethane	94	2.116	2.116	0.000	99	732093	200.0	162.9	
7 Chloroethane	64	2.182	2.174	0.008	99	546339	200.0	187.2	
9 Trichlorofluoromethane	101	2.355	2.355	0.000	97	1026010	200.0	186.2	
8 Dichlorofluoromethane	67	2.355	2.355	0.000	92	861475	200.0	167.4	
10 Pentane	72	2.387	2.388	-0.001	94	201825	400.0	413.7	
11 Ethanol	46	2.576	2.585	-0.009	68	79166	8000.0	7881.4	
12 Ethyl ether	59	2.585	2.585	0.000	95	530505	200.0	186.8	
13 2-Methyl-1,3-butadiene	53	2.609	2.609	0.000	95	548236	200.0	186.2	
14 1,2-Dichloro-1,1,2-trifluo	117	2.634	2.634	0.000	91	503026	200.0	189.1	
16 1,1,2-Trichloro-1,2,2-trif	101	2.774	2.766	0.008	95	470204	200.0	179.9	
15 Acrolein	56	2.757	2.766	-0.009	66	61538	200.0	186.7	
17 1,1-Dichloroethene	96	2.798	2.798	0.000	98	622510	200.0	183.0	
18 Acetone	43	2.889	2.889	0.000	87	863594	1000.0	803.6	
19 Iodomethane	142	2.946	2.946	0.000	99	1360073	200.0	201.0	
21 Carbon disulfide	76	2.987	2.987	0.000	99	1991777	200.0	184.2	
20 Isopropyl alcohol	45	2.979	2.996	-0.017	33	273666	2000.0	1779.9	
22 3-Chloro-1-propene	41	3.111	3.111	0.000	96	1329225	200.0	197.5	
24 Methyl acetate	43	3.119	3.127	-0.008	99	2050560	1000.0	936.7	
23 Cyclopentene	67	3.127	3.135	-0.008	94	1657625	200.0	194.1	
25 Acetonitrile	41	3.185	3.185	0.000	93	823214	2000.0	1839.4	
* 26 TBA-d9 (IS)	65	3.242	3.234	0.008	42	190874	1000.0	1000.0	
27 Methylene Chloride	84	3.234	3.234	0.000	90	717581	200.0	169.9	
28 2-Methyl-2-propanol	59	3.316	3.316	0.000	93	612972	2000.0	1823.5	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	96	1488442	200.0	180.4	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	93	802652	200.0	177.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.497	3.505	-0.008	94	2185982	2000.0	1824.1	
32 Hexane	43	3.571	3.571	0.000	91	616704	200.0	195.1	
33 Isopropyl ether	45	3.784	3.793	-0.009	91	1968234	200.0	179.1	
34 1,1-Dichloroethane	63	3.825	3.817	0.008	100	1336398	200.0	183.1	
35 Vinyl acetate	86	3.834	3.825	0.009	94	291311	400.0	387.4	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	92	735852	200.0	193.3	
37 Tert-butyl ethyl ether	59	4.105	4.097	0.008	90	1661199	200.0	173.8	
* 38 2-Butanone-d5	46	4.310	4.302	0.008	45	126920	250.0	250.0	
39 2,2-Dichloropropane	97	4.327	4.327	0.000	94	226957	200.0	175.0	
42 Ethyl acetate	70	4.351	4.343	0.008	96	134455	400.0	395.8	
40 cis-1,2-Dichloroethene	96	4.343	4.343	0.000	98	927099	200.0	180.5	
41 2-Butanone (MEK)	72	4.360	4.351	0.009	96	356435	1000.0	923.9	
43 Methyl acrylate	55	4.409	4.409	0.000	99	515127	200.0	193.6	
44 Propionitrile	54	4.491	4.491	0.000	98	790897	2000.0	1765.5	
45 Chlorobromomethane	128	4.565	4.565	0.000	80	470421	200.0	179.5	
46 Tetrahydrofuran	72	4.565	4.565	0.000	56	172617	400.0	385.4	
47 Methacrylonitrile	67	4.598	4.590	0.008	90	2626534	2000.0	1943.6	
48 Chloroform	83	4.614	4.614	0.000	99	1423878	200.0	178.1	
49 Cyclohexane	84	4.754	4.754	0.000	90	913110	200.0	193.2	
$ 51 Dibromofluoromethane (Surr	113	4.779	4.770	0.009	97	164376	50.0	49.8	
50 1,1,1-Trichloroethane	97	4.762	4.770	-0.008	98	1144935	200.0	182.1	
52 Carbon tetrachloride	117	4.885	4.894	-0.009	97	1108455	200.0	193.3	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	96	1037107	200.0	193.8	
54 Isobutyl alcohol	43	5.033	5.025	0.008	97	844759	5000.0	4513.8	
55 Benzene	78	5.115	5.116	-0.001	97	2975669	200.0	179.0	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.132	-0.008	95	194433	50.0	49.5	
57 Isopropyl acetate	43	5.165	5.165	0.000	96	1959762	200.0	197.0	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	92	1984265	200.0	181.0	
59 1,2-Dichloroethane	62	5.206	5.206	0.000	97	1079881	200.0	178.4	
60 n-Heptane	57	5.263	5.263	0.000	90	551440	200.0	205.3	
* 61 Fluorobenzene	96	5.403	5.403	0.000	99	500093	50.0	50.0	
62 n-Butanol	56	5.699	5.691	0.008	89	383272	5000.0	4742.8	
63 Trichloroethene	95	5.748	5.748	0.000	96	816427	200.0	182.4	
65 Ethyl acrylate	55	5.871	5.872	-0.001	98	1633974	200.0	201.2	
64 Methylcyclohexane	83	5.880	5.880	0.000	90	1247166	200.0	201.0	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	87	742511	200.0	188.5	
* 67 1,4-Dioxane-d8	96	6.159	6.102	0.057	35	21734	1000.0	1000.0	M
68 Methyl methacrylate	100	6.118	6.118	0.000	85	404118	400.0	393.7	
70 n-Propyl acetate	43	6.167	6.167	0.000	98	849085	200.0	196.8	
69 1,4-Dioxane	88	6.159	6.167	-0.008	27	110191	4000.0	3066.9	
71 Dibromomethane	93	6.175	6.176	-0.001	88	509909	200.0	182.7	
72 Dichlorobromomethane	83	6.323	6.323	0.000	99	1070032	200.0	197.6	
73 2-Nitropropane	41	6.660	6.660	0.000	91	376114	400.0	398.1	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	89	402915	200.0	206.5	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	1175071	4000.0	3736.2	
76 cis-1,3-Dichloropropene	75	6.825	6.816	0.009	93	1278672	200.0	202.6	
77 4-Methyl-2-pentanone (MIBK	43	6.997	6.997	0.000	95	3244981	1000.0	992.0	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	634079	50.0	50.3	
79 Toluene	91	7.153	7.153	0.000	95	3316376	200.0	186.7	
80 trans-1,3-Dichloropropene	75	7.498	7.490	0.008	99	1116432	200.0	195.1	
81 Ethyl methacrylate	69	7.531	7.531	0.000	89	910779	200.0	196.3	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	94	565640	200.0	186.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.761	7.761	0.000	96	1057786	200.0	191.2	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	94	1087670	200.0	191.0	
85 2-Hexanone	43	7.991	7.991	0.000	95	2063428	1000.0	965.6	
86 n-Butyl acetate	43	8.106	8.107	-0.001	98	1007092	200.0	186.5	
87 Chlorodibromomethane	129	8.156	8.156	0.000	98	892461	200.0	193.2	
88 Ethylene Dibromide	107	8.320	8.312	0.008	99	683834	200.0	184.9	
* 89 Chlorobenzene-d5	117	8.871	8.871	0.000	84	459173	50.0	50.0	
90 Chlorobenzene	112	8.903	8.904	-0.001	95	2392409	200.0	185.3	
91 Ethylbenzene	106	9.010	9.010	0.000	98	1322783	200.0	184.8	
92 1,1,1,2-Tetrachloroethane	131	9.027	9.027	0.000	94	1002616	200.0	191.2	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	95	1650726	200.0	184.4	
94 n-Butyl acrylate	73	9.577	9.577	0.000	97	646260	200.0	193.4	
95 o-Xylene	106	9.594	9.594	0.000	95	1732191	200.0	190.7	
96 Styrene	104	9.618	9.618	0.000	95	2777648	200.0	190.4	
97 Amyl acetate (mixed isomer	43	9.799	9.791	0.008	92	1536671	200.0	204.9	
98 Bromoform	173	9.816	9.816	0.000	98	721953	200.0	199.9	
99 Isopropylbenzene	105	9.931	9.931	0.000	96	4193240	200.0	191.1	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	269662	50.0	48.4	
101 Bromobenzene	156	10.226	10.218	0.008	88	1290547	200.0	183.5	
102 1,1,2,2-Tetrachloroethane	83	10.259	10.251	0.008	97	956798	200.0	191.0	
103 N-Propylbenzene	91	10.284	10.276	0.008	99	4508589	200.0	188.9	
104 1,2,3-Trichloropropane	110	10.300	10.300	0.000	96	308558	200.0	175.9	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	80	288794	200.0	186.1	
106 2-Chlorotoluene	91	10.366	10.366	0.000	98	3362059	200.0	187.4	
107 4-Ethyltoluene	105	10.374	10.374	0.000	96	4148146	200.0	193.1	
108 1,3,5-Trimethylbenzene	105	10.432	10.424	0.008	95	3593968	200.0	193.5	
109 4-Chlorotoluene	91	10.465	10.457	0.008	96	2995850	200.0	185.6	
110 Butyl Methacrylate	87	10.506	10.506	0.000	92	1343981	200.0	206.0	
111 tert-Butylbenzene	119	10.662	10.662	0.000	94	3281927	200.0	203.4	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	96	3670719	200.0	192.3	
113 sec-Butylbenzene	105	10.818	10.818	0.000	96	4386085	200.0	181.7	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	96	2443836	200.0	186.5	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	94	4109379	200.0	196.7	
* 116 1,4-Dichlorobenzene-d4	152	10.974	10.966	0.008	93	313922	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.982	10.982	0.000	94	2463515	200.0	183.3	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	3802593	200.0	175.0	
118 Benzyl chloride	91	11.089	11.081	0.008	99	2197286	200.0	206.7	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	96	3762733	200.0	173.3	
120 p-Diethylbenzene	119	11.163	11.163	0.000	95	2518262	200.0	194.7	
121 n-Butylbenzene	92	11.180	11.180	0.000	94	2083234	200.0	196.3	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	96	2313808	200.0	185.8	
123 1,2,4,5-Tetramethylbenzene	119	11.640	11.640	0.000	98	3834473	200.0	180.1	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.722	0.000	93	194335	200.0	202.3	
125 1,3,5-Trichlorobenzene	180	11.804	11.804	0.000	97	1981224	200.0	184.8	
126 1,2,4-Trichlorobenzene	180	12.215	12.215	0.000	94	1860979	200.0	192.3	
127 Hexachlorobutadiene	225	12.281	12.281	0.000	98	952316	200.0	195.8	
128 Naphthalene	128	12.387	12.388	-0.001	98	3587809	200.0	200.8	
129 1,2,3-Trichlorobenzene	180	12.552	12.552	0.000	96	1796244	200.0	195.6	
S 130 1,2-Dichloroethene, Total	100				0		400.0	358.3	
S 131 Xylenes, Total	100				0		400.0	375.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00196	Amount Added:	20.00	Units: uL	
MIX I Hi_00071	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	20.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Apr-2017 18:24:31 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45948.D

Injection Date: 17-Apr-2017 23:47:30 Instrument ID: CVOAMS6 Operator ID:

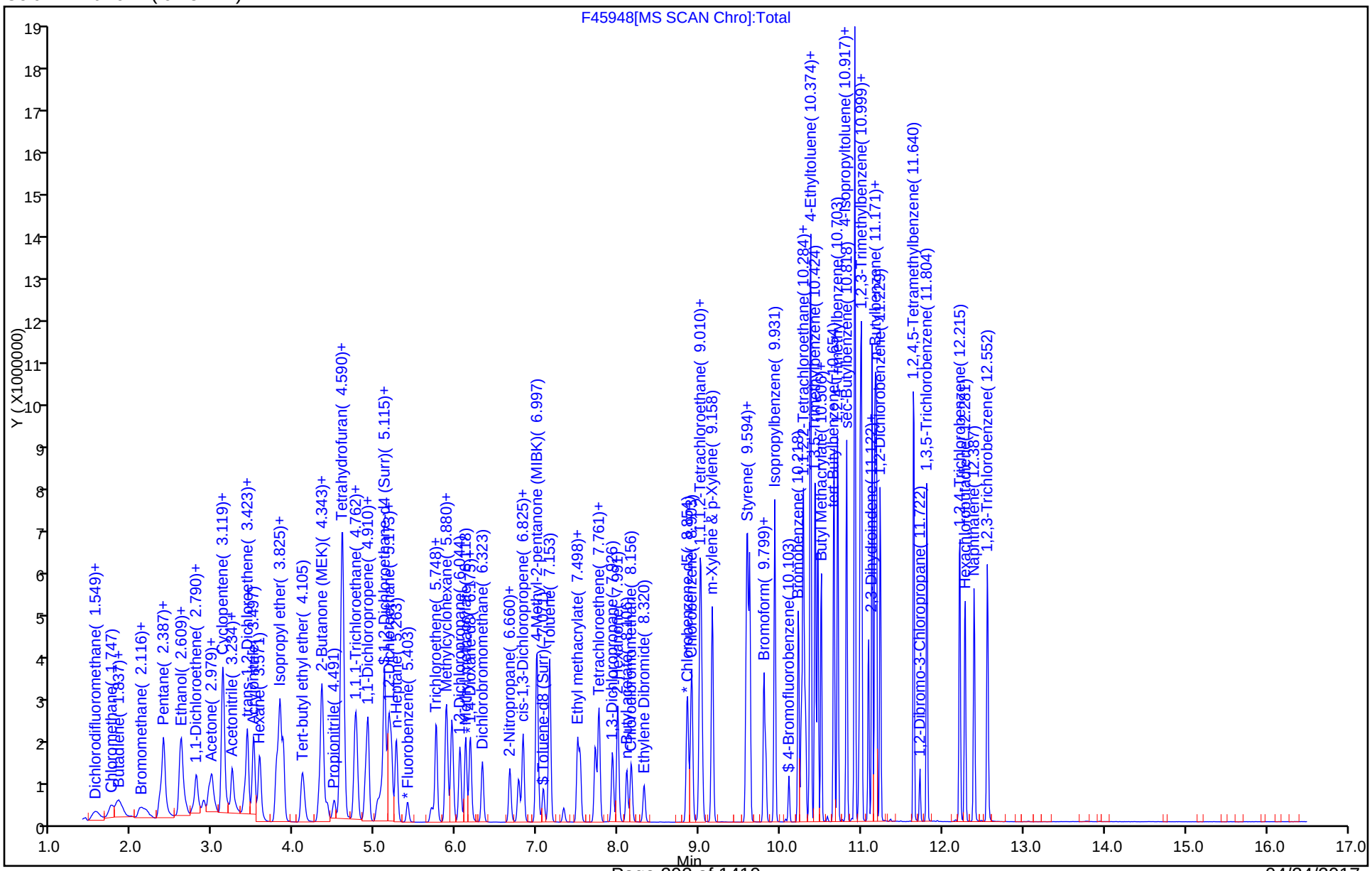
Lims ID: STD200 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

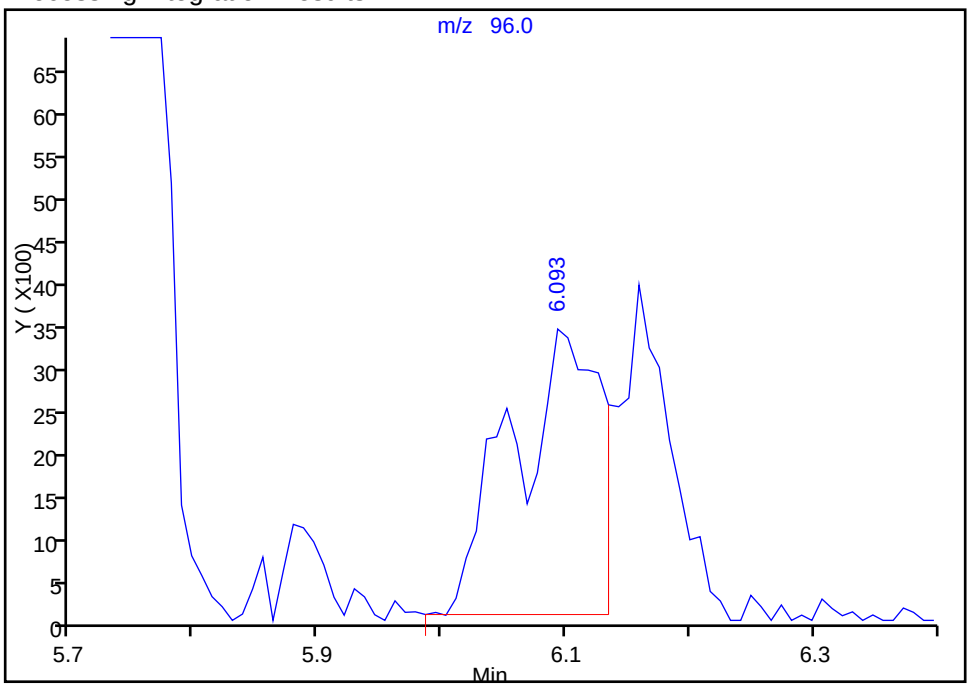
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Injection Date: 17-Apr-2017 23:47:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 67 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

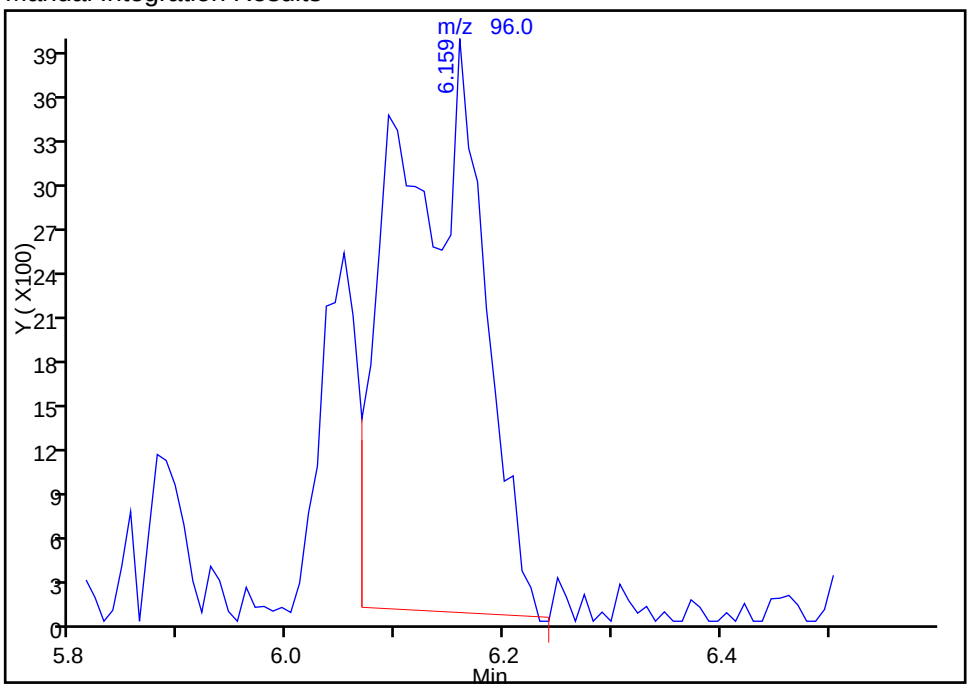
Processing Integration Results

RT: 6.09
Area: 16642
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 6.16
Area: 21734
Amount: 1000.0000
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:08:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-Apr-2017 00:10:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0053865-010
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 18:24:35 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: moroneyc Date: 18-Apr-2017 11:49:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.558	1.549	0.009	81	2784815	500.0	496.9	
1 Chlorotrifluoroethene	66	1.549	1.558	-0.009	47	471768	500.0	559.7	
3 Chloromethane	50	1.747	1.747	0.000	88	3345277	500.0	497.1	
4 Vinyl chloride	62	1.829	1.812	0.017	60	2753815	500.0	525.8	
5 Butadiene	54	1.853	1.837	0.016	80	1861640	500.0	517.9	
6 Bromomethane	94	2.116	2.116	0.000	94	2093797	500.0	452.6	
7 Chloroethane	64	2.182	2.174	0.008	68	1534027	500.0	510.8	
8 Dichlorofluoromethane	67	2.355	2.355	0.000	79	2484456	500.0	469.2	
9 Trichlorofluoromethane	101	2.355	2.355	0.000	80	2813749	500.0	496.2	
10 Pentane	72	2.388	2.388	0.000	90	468604	1000.0	982.0	
12 Ethyl ether	59	2.585	2.585	0.000	93	1368140	500.0	468.2	
11 Ethanol	46	2.585	2.585	0.000	44	295316	20000	20011	
13 2-Methyl-1,3-butadiene	53	2.609	2.609	0.000	90	1354918	500.0	447.2	
14 1,2-Dichloro-1,1,2-trifluo	117	2.634	2.634	0.000	25	1350110	500.0	493.2	
15 Acrolein	56	2.757	2.766	-0.009	1	138438	400.0	362.5	
16 1,1,2-Trichloro-1,2,2-trif	101	2.782	2.766	0.016	54	1282213	500.0	476.7	
17 1,1-Dichloroethene	96	2.798	2.798	0.000	80	1607191	500.0	459.1	
18 Acetone	43	2.881	2.889	-0.008	79	2331547	2500.0	1983.5	
19 Iodomethane	142	2.955	2.946	0.009	99	3609827	500.0	518.4	M
21 Carbon disulfide	76	2.987	2.987	0.000	89	5118808	500.0	460.0	
20 Isopropyl alcohol	45	2.979	2.996	-0.017	1	788367	5000.0	4424.2	
22 3-Chloro-1-propene	41	3.111	3.111	0.000	79	3080830	500.0	444.7	
24 Methyl acetate	43	3.119	3.127	-0.008	96	5242847	2500.0	2327.1	
23 Cyclopentene	67	3.127	3.135	-0.008	70	4047380	500.0	460.5	
25 Acetonitrile	41	3.185	3.185	0.000	93	2286048	5000.0	4963.4	
27 Methylene Chloride	84	3.234	3.234	0.000	79	1908915	500.0	439.1	
* 26 TBA-d9 (IS)	65	3.234	3.234	0.000	1	221216	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.300	3.316	-0.016	88	1669554	5000.0	4285.5	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	96	3792050	500.0	446.7	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	80	2108336	500.0	453.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.497	3.505	-0.008	92	5761236	5000.0	4671.4	
32 Hexane	43	3.579	3.571	0.008	88	1620032	500.0	498.1	
33 Isopropyl ether	45	3.793	3.793	0.000	89	4622399	500.0	408.7	
34 1,1-Dichloroethane	63	3.826	3.817	0.009	66	3523003	500.0	469.1	
35 Vinyl acetate	86	3.834	3.825	0.009	92	816073	1000.0	1054.5	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	89	2016190	500.0	514.7	
37 Tert-butyl ethyl ether	59	4.105	4.097	0.008	88	3819761	500.0	388.4	
* 38 2-Butanone-d5	46	4.310	4.302	0.008	1	138830	250.0	250.0	
39 2,2-Dichloropropane	97	4.327	4.327	0.000	8	582461	500.0	436.4	
40 cis-1,2-Dichloroethene	96	4.343	4.343	0.000	87	2507462	500.0	474.3	
42 Ethyl acetate	70	4.351	4.343	0.008	86	375375	1000.0	1016.4	
41 2-Butanone (MEK)	72	4.360	4.351	0.009	97	1006549	2500.0	2390.4	
43 Methyl acrylate	55	4.409	4.409	0.000	91	1395166	500.0	480.6	
44 Propionitrile	54	4.499	4.491	0.008	96	2249043	5000.0	4878.3	
46 Tetrahydrofuran	72	4.565	4.565	0.000	51	461817	1000.0	946.9	
45 Chlorobromomethane	128	4.573	4.565	0.008	78	1312437	500.0	486.5	
47 Methacrylonitrile	67	4.598	4.590	0.008	82	6814273	5000.0	4899.7	
48 Chloroform	83	4.623	4.614	0.009	88	3800713	500.0	461.8	
49 Cyclohexane	84	4.754	4.754	0.000	89	2269724	500.0	466.7	
50 1,1,1-Trichloroethane	97	4.770	4.770	0.000	54	2843626	500.0	439.6	
$ 51 Dibromofluoromethane (Surr	113	4.779	4.770	0.009	30	169940	50.0	50.0	
52 Carbon tetrachloride	117	4.886	4.894	-0.008	89	2852518	500.0	483.3	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	93	2761966	500.0	501.4	
54 Isobutyl alcohol	43	5.033	5.025	0.008	10	2227019	12500	10268	
55 Benzene	78	5.116	5.116	0.000	97	7432011	500.0	409.8	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.132	5.132	0.000	20	217449	50.0	53.7	
57 Isopropyl acetate	43	5.165	5.165	0.000	91	4804802	500.0	469.3	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	72	4525484	500.0	401.2	
59 1,2-Dichloroethane	62	5.206	5.206	0.000	92	2845644	500.0	456.7	
60 n-Heptane	57	5.263	5.263	0.000	88	1422860	500.0	514.8	
* 61 Fluorobenzene	96	5.403	5.403	0.000	98	514657	50.0	50.0	
62 n-Butanol	56	5.699	5.691	0.008	88	1127820	12500	12042	
63 Trichloroethene	95	5.757	5.748	0.008	88	2247048	500.0	487.8	
65 Ethyl acrylate	55	5.872	5.872	0.000	73	4104541	500.0	491.2	
64 Methylcyclohexane	83	5.880	5.880	0.000	76	2990548	500.0	468.3	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	86	1971332	500.0	486.3	
* 67 1,4-Dioxane-d8	96	6.167	6.102	0.065	23	33030	1000.0	1000.0	
68 Methyl methacrylate	100	6.118	6.118	0.000	80	1138261	1000.0	1077.7	
69 1,4-Dioxane	88	6.159	6.167	-0.008	17	333630	10000	6110.2	
70 n-Propyl acetate	43	6.176	6.167	0.009	96	2270238	500.0	511.4	
71 Dibromomethane	93	6.176	6.176	0.000	77	1367607	500.0	476.1	
72 Dichlorobromomethane	83	6.323	6.323	0.000	92	2900446	500.0	520.3	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	72	1166339	500.0	581.0	
73 2-Nitropropane	41	6.669	6.660	0.009	83	1048199	1000.0	1078.1	
75 Epichlorohydrin	57	6.775	6.767	0.008	98	3178070	10000	9237.9	
76 cis-1,3-Dichloropropene	75	6.825	6.816	0.009	85	3491585	500.0	507.2	
77 4-Methyl-2-pentanone (MIBK	43	6.997	6.997	0.000	90	7793857	2500.0	2178.1	
$ 78 Toluene-d8 (Surr)	98	7.079	7.071	0.008	99	663155	50.0	48.2	
79 Toluene	91	7.153	7.153	0.000	94	8145195	500.0	420.5	
80 trans-1,3-Dichloropropene	75	7.498	7.490	0.008	95	3147552	500.0	504.4	
81 Ethyl methacrylate	69	7.531	7.531	0.000	87	2474112	500.0	488.9	
82 1,1,2-Trichloroethane	83	7.720	7.712	0.008	91	1546187	500.0	466.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.761	7.761	0.000	93	2891046	500.0	479.1	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	91	2978640	500.0	479.6	
85 2-Hexanone	43	7.992	7.991	0.001	92	5276859	2500.0	2257.4	
86 n-Butyl acetate	43	8.107	8.107	0.000	95	2623782	500.0	445.4	
87 Chlorodibromomethane	129	8.164	8.156	0.008	93	2505628	500.0	497.2	
88 Ethylene Dibromide	107	8.320	8.312	0.008	99	1874512	500.0	464.8	
* 89 Chlorobenzene-d5	117	8.871	8.871	0.000	56	500855	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	89	6287306	500.0	446.5	
91 Ethylbenzene	106	9.010	9.010	0.000	95	3610345	500.0	462.4	
92 1,1,1,2-Tetrachloroethane	131	9.027	9.027	0.000	57	2709773	500.0	473.9	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	91	4346340	500.0	445.2	
94 n-Butyl acrylate	73	9.577	9.577	0.000	94	1743537	500.0	478.3	
95 o-Xylene	106	9.594	9.594	0.000	95	4467189	500.0	450.8	
96 Styrene	104	9.618	9.618	0.000	86	6616859	500.0	415.8	
97 Amyl acetate (mixed isomer	43	9.799	9.791	0.008	93	3779575	500.0	492.3	
98 Bromoform	173	9.816	9.816	0.000	95	1959841	500.0	497.4	
99 Isopropylbenzene	105	9.931	9.931	0.000	93	8409421	500.0	351.4	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	278342	50.0	45.8	
101 Bromobenzene	156	10.227	10.218	0.008	78	3273071	500.0	454.6	
102 1,1,2,2-Tetrachloroethane	83	10.259	10.251	0.008	65	2427122	500.0	473.3	
103 N-Propylbenzene	91	10.284	10.276	0.008	87	8667308	500.0	354.8	
104 1,2,3-Trichloropropane	110	10.300	10.300	0.000	94	815771	500.0	454.3	
105 trans-1,4-Dichloro-2-buten	53	10.317	10.309	0.008	78	770165	500.0	484.9	
106 2-Chlorotoluene	91	10.374	10.366	0.008	87	7090331	500.0	386.2	
107 4-Ethyltoluene	105	10.374	10.374	0.000	71	8276408	500.0	376.3	
108 1,3,5-Trimethylbenzene	105	10.432	10.424	0.008	80	7145887	500.0	376.0	
109 4-Chlorotoluene	91	10.465	10.457	0.008	77	6404324	500.0	387.6	
110 Butyl Methacrylate	87	10.506	10.506	0.000	92	3331387	500.0	499.0	
111 tert-Butylbenzene	119	10.662	10.662	0.000	73	6845408	500.0	414.4	
112 1,2,4-Trimethylbenzene	105	10.711	10.703	0.008	84	7035565	500.0	360.0	
113 sec-Butylbenzene	105	10.818	10.818	0.000	80	7876002	500.0	318.7	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	76	7494811	500.0	350.6	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	86	5452439	500.0	406.6	
* 116 1,4-Dichlorobenzene-d4	152	10.974	10.966	0.008	1	321309	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.991	10.982	0.009	88	5419297	500.0	393.9	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	7142752	500.0	321.2	
118 Benzyl chloride	91	11.089	11.081	0.008	91	4931517	500.0	453.2	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	53	7065660	500.0	317.9	
120 p-Diethylbenzene	119	11.171	11.163	0.008	80	5374377	500.0	406.0	
121 n-Butylbenzene	92	11.188	11.180	0.008	82	4634066	500.0	426.6	
122 1,2-Dichlorobenzene	146	11.237	11.229	0.008	92	5162394	500.0	405.0	
123 1,2,4,5-Tetramethylbenzene	119	11.648	11.640	0.008	85	6840699	500.0	313.9	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.722	0.000	90	513798	500.0	522.5	
125 1,3,5-Trichlorobenzene	180	11.812	11.804	0.008	95	4440290	500.0	404.7	
126 1,2,4-Trichlorobenzene	180	12.215	12.215	0.000	94	4355948	500.0	439.7	
127 Hexachlorobutadiene	225	12.281	12.281	0.000	94	2266949	500.0	455.5	
128 Naphthalene	128	12.388	12.388	0.000	91	7321057	500.0	400.3	
129 1,2,3-Trichlorobenzene	180	12.560	12.552	0.008	92	4240438	500.0	451.1	
S 130 1,2-Dichloroethene, Total	100				0		1000.0	928.1	
S 131 Xylenes, Total	100				0		1000.0	896.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

GAS Hi_00196	Amount Added:	50.00	Units: uL	
MIX I Hi_00071	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00054	Amount Added:	50.00	Units: uL	
ACROLEIN W_00063	Amount Added:	40.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Apr-2017 18:24:36 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Injection Date: 18-Apr-2017 00:10:30 Instrument ID: CVOAMS6 Operator ID:

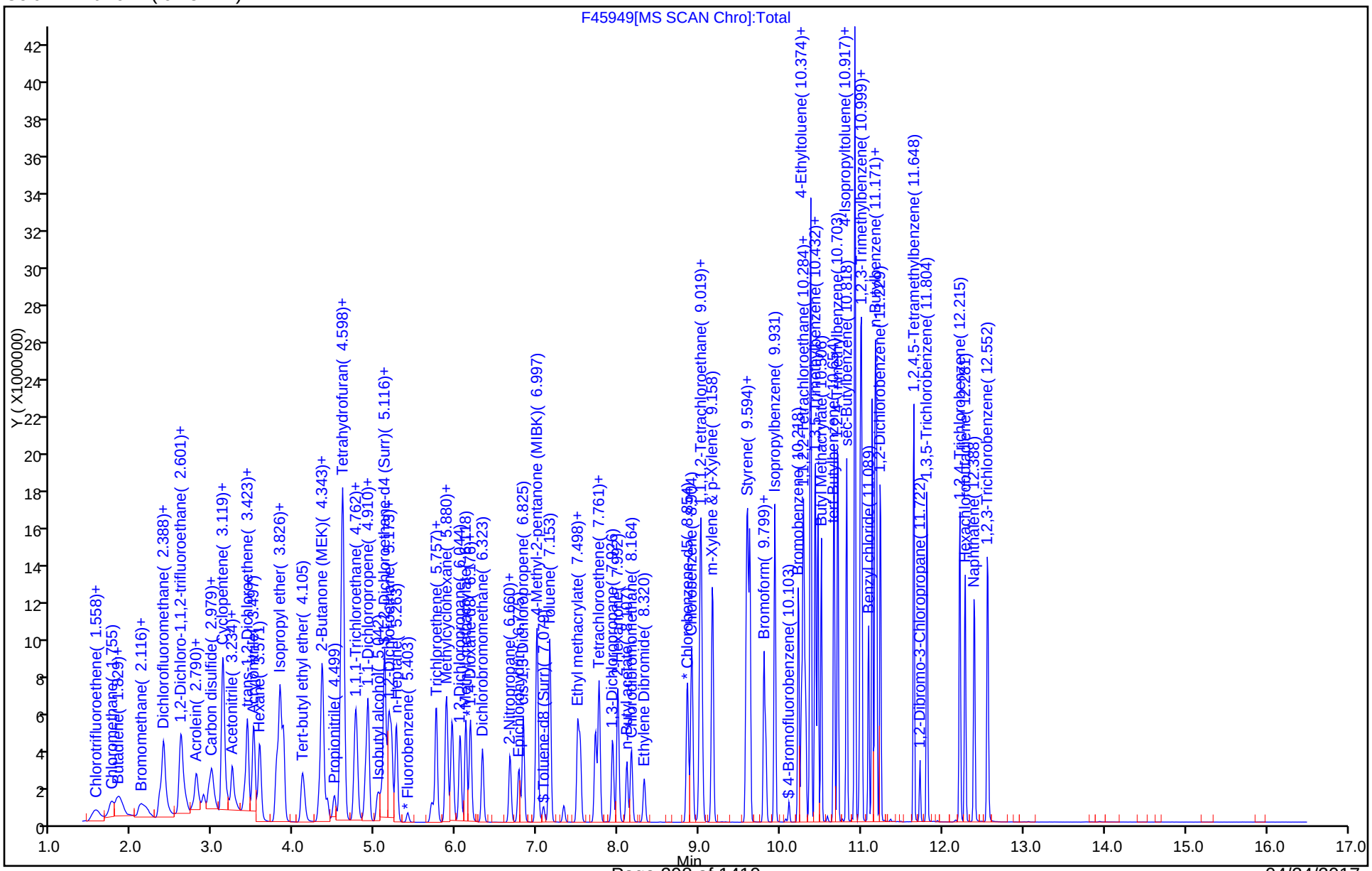
Lims ID: STD500 Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

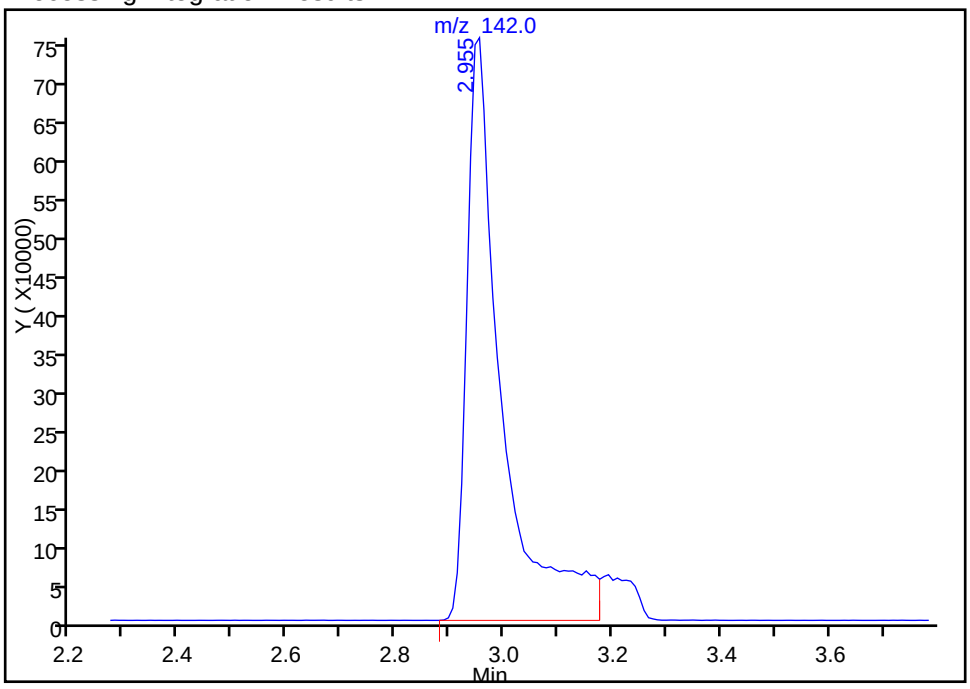
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Injection Date: 18-Apr-2017 00:10:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

19 Iodomethane, CAS: 74-88-4

Signal: 1

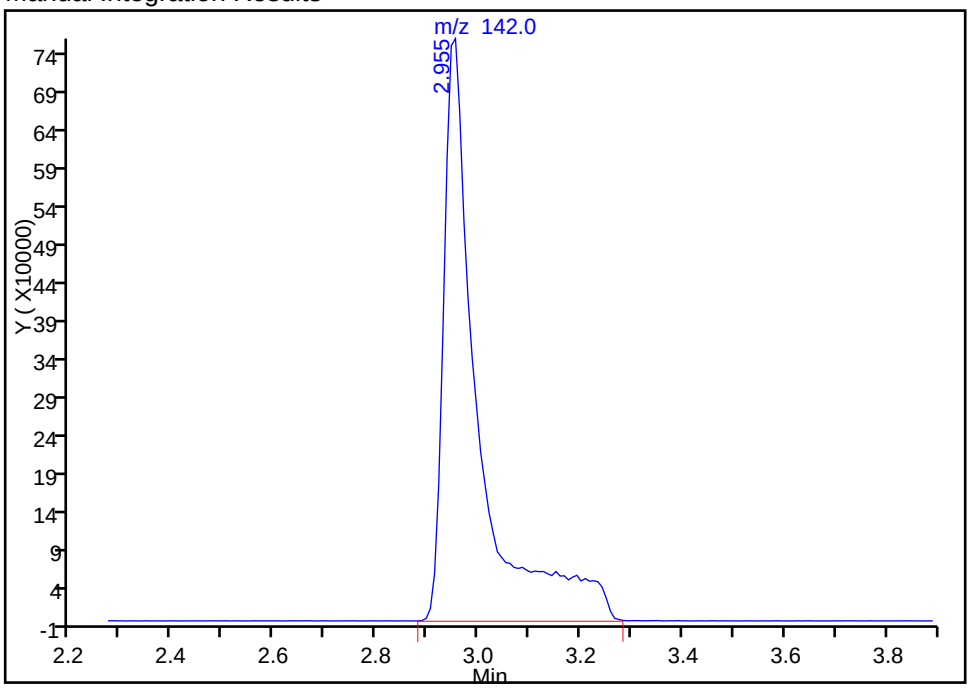
Processing Integration Results

RT: 2.95
Area: 3367676
Amount: 499.7908
Amount Units: ug/l



Manual Integration Results

RT: 2.95
Area: 3609827
Amount: 518.3850
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 17:07:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: CCVIS 460-430489/3 Calibration Date: 04/15/2017 01:19

Instrument ID: CVOAMS6 Calib Start Date: 03/21/2017 03:09

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/21/2017 11:24

Lab File ID: F45830.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
Chlorotrifluoroethene	Ave	0.0955	0.0868		18.2	20.0	-9.1	20.0
Dichlorodifluoromethane	Ave	0.5872	0.5042	0.1000	17.2	20.0	-14.1	20.0
Chloromethane	Ave	0.6425	0.6175	0.1000	19.2	20.0	-3.9	20.0
Vinyl chloride	Ave	0.6472	0.5346	0.1000	16.5	20.0	-17.4	20.0
Butadiene	Ave	0.4783	0.3756		15.7	20.0	-21.5*	20.0
Bromomethane	Ave	0.3996	0.3779	0.1000	18.9	20.0	-5.4	50.0
Chloroethane	Ave	0.3395	0.2965	0.1000	17.5	20.0	-12.7	50.0
Trichlorofluoromethane	Ave	0.6521	0.5526	0.1000	16.9	20.0	-15.3	20.0
Dichlorofluoromethane	Ave	0.8125	0.5616		13.8	20.0	-30.9*	20.0
Pentane	Ave	0.0645	0.0541		33.6	40.0	-16.1	20.0
Ethyl ether	Ave	0.2777	0.2707		19.5	20.0	-2.5	20.0
2-Methyl-1,3-butadiene	Ave	0.3342	0.2834		17.0	20.0	-15.2	20.0
Ethanol	Qua2		0.2557		842	800	5.3	50.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.3059	0.2676		17.5	20.0	-12.5	20.0
Acrolein	Ave	6.416	5.090		31.7	40.0	-20.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3891	0.2499	0.1000	12.8	20.0	-35.8*	20.0
1,1-Dichloroethene	Ave	0.3429	0.3048	0.1000	17.8	20.0	-11.1	20.0
Acetone	Qua2		1.447	0.0500	99.5	100	-0.5	50.0
Iodomethane	Ave	0.6706	0.5697		17.0	20.0	-15.0	20.0
Carbon disulfide	Ave	1.320	1.016	0.1000	15.4	20.0	-23.1	50.0
Isopropyl alcohol	Ave	3.177	2.291		144	200	-27.9	50.0
Allyl chloride	Ave	0.8228	0.6874		16.7	20.0	-16.5	20.0
Methyl acetate	Ave	0.2018	0.2039	0.1000	101	100	1.0	20.0
Cyclopentene	Ave	0.8576	0.8392		19.6	20.0	-2.1	20.0
Acetonitrile	Ave	0.0453	0.0411		181	200	-9.3	20.0
Methylene Chloride	Ave	0.4121	0.3707	0.1000	18.0	20.0	-10.0	20.0
2-Methyl-2-propanol	Ave	4.762	5.481		230	200	15.1	50.0
Methyl tert-butyl ether	Ave	1.040	0.8454	0.1000	16.3	20.0	-18.7	20.0
trans-1,2-Dichloroethene	Ave	0.3842	0.4077	0.1000	21.2	20.0	6.1	20.0
Acrylonitrile	Ave	0.1035	0.1094		211	200	5.7	20.0
Hexane	Ave	0.3626	0.3089		17.0	20.0	-14.8	20.0
Isopropyl ether	Ave	1.302	1.088		16.7	20.0	-16.5	20.0
1,1-Dichloroethane	Ave	0.6809	0.6938	0.2000	20.4	20.0	1.9	20.0
Vinyl acetate	Ave	9.134	12.27		53.7	40.0	34.3*	20.0
2-Chloro-1,3-butadiene	Ave	0.3112	0.3603		23.2	20.0	15.8	20.0
Tert-butyl ethyl ether	Ave	1.158	1.005		17.4	20.0	-13.1	20.0
2,2-Dichloropropane	Ave	0.1415	0.1271		18.0	20.0	-10.2	20.0
cis-1,2-Dichloroethene	Ave	0.4233	0.4718	0.1000	22.3	20.0	11.5	20.0
Ethyl acetate	Ave	0.5426	0.6254		46.1	40.0	15.3	20.0
2-Butanone (MEK)	Lin2		0.6190	0.0500	114	100	13.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: CCVIS 460-430489/3 Calibration Date: 04/15/2017 01:19

Instrument ID: CVOAMS6 Calib Start Date: 03/21/2017 03:09

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/21/2017 11:24

Lab File ID: F45830.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
Methyl acrylate	Ave	0.2705	0.2600		19.2	20.0	-3.9	20.0
Propionitrile	Ave	6.170	6.602		214	200	7.0	20.0
Chlorobromomethane	Ave	0.2053	0.2361		23.0	20.0	15.0	20.0
Tetrahydrofuran	Lin2		0.7344		48.1	40.0	20.2*	20.0
Methacrylonitrile	Ave	0.1111	0.1313		236	200	18.2	20.0
Chloroform	Ave	0.6593	0.7208	0.2000	21.9	20.0	9.3	20.0
Cyclohexane	Ave	0.6019	0.5179	0.1000	17.2	20.0	-13.9	50.0
1,1,1-Trichloroethane	Ave	0.6524	0.5997	0.1000	18.4	20.0	-8.1	20.0
Carbon tetrachloride	Ave	0.5556	0.5682	0.1000	20.5	20.0	2.3	20.0
1,1-Dichloropropene	Ave	0.5097	0.5449		21.4	20.0	6.9	20.0
Isobutyl alcohol	Ave	2.279	3.103		681	500	36.2	50.0
Benzene	Ave	1.640	1.756	0.5000	21.4	20.0	7.0	20.0
Isopropyl acetate	Ave	1.018	1.051		20.6	20.0	3.2	20.0
Tert-amyl methyl ether	Ave	1.114	1.107		19.9	20.0	-0.7	20.0
1,2-Dichloroethane	Ave	0.5180	0.5492	0.1000	21.2	20.0	6.0	20.0
n-Heptane	Ave	0.2970	0.2833		19.1	20.0	-4.6	20.0
n-Butanol	Ave	1.349	1.163		431	500	-13.8	50.0
Trichloroethene	Ave	0.3694	0.3964	0.2000	21.5	20.0	7.3	20.0
Ethyl acrylate	Ave	0.9159	0.8715		19.0	20.0	-4.9	20.0
Methylcyclohexane	Ave	0.6793	0.7081	0.1000	20.8	20.0	4.2	50.0
1,2-Dichloropropane	Ave	0.3967	0.3609	0.1000	18.2	20.0	-9.0	20.0
Methyl methacrylate	Ave	0.0795	0.0905		45.5	40.0	13.7	20.0
1,4-Dioxane	QuaF		1.484		458	400	14.6	50.0
n-Propyl acetate	Ave	0.4363	0.3836		17.6	20.0	-12.1	20.0
Dibromomethane	Ave	0.2172	0.2310		21.3	20.0	6.4	20.0
Dichlorobromomethane	Ave	0.5054	0.4902	0.2000	19.4	20.0	-3.0	20.0
2-Chloroethyl vinyl ether	Ave	0.2106	0.1887		17.9	20.0	-10.4	20.0
2-Nitropropane	Ave	0.1002	0.0778		31.1	40.0	-22.4*	20.0
Epichlorohydrin	Ave	0.5448	0.5171		380	400	-5.1	20.0
cis-1,3-Dichloropropene	Ave	0.6971	0.6277	0.2000	18.0	20.0	-9.9	50.0
4-Methyl-2-pentanone (MIBK)	Ave	5.655	5.676	0.0500	100	100	0.4	50.0
Toluene	Ave	1.721	1.847	0.4000	21.5	20.0	7.3	20.0
trans-1,3-Dichloropropene	Ave	0.6253	0.5727	0.1000	18.3	20.0	-8.4	50.0
Ethyl methacrylate	Ave	0.4992	0.4871		19.5	20.0	-2.4	20.0
1,1,2-Trichloroethane	Ave	0.3012	0.3099	0.1000	20.6	20.0	2.9	20.0
Tetrachloroethene	Ave	0.4835	0.5803	0.2000	24.0	20.0	20.0	20.0
1,3-Dichloropropane	Ave	0.5850	0.5899		20.2	20.0	0.8	20.0
2-Hexanone	Ave	3.690	3.575	0.0500	96.9	100	-3.1	50.0
n-Butyl acetate	Ave	0.6114	0.5793		18.9	20.0	-5.3	20.0
Chlorodibromomethane	Ave	0.4387	0.4642	0.1000	21.2	20.0	5.8	50.0
Ethylene Dibromide	Ave	0.3397	0.3711	0.1000	21.9	20.0	9.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: CCVIS 460-430489/3 Calibration Date: 04/15/2017 01:19

Instrument ID: CVOAMS6 Calib Start Date: 03/21/2017 03:09

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/21/2017 11:24

Lab File ID: F45830.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
Chlorobenzene	Ave	1.244	1.329	0.5000	21.4	20.0	6.9	20.0
Ethylbenzene	Ave	0.7024	0.7643	0.1000	21.8	20.0	8.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5210	0.5268		20.2	20.0	1.1	20.0
m-Xylene & p-Xylene	Ave	0.8873	0.9509	0.1000	21.4	20.0	7.2	20.0
n-Butyl acrylate	Ave	0.3439	0.3365		19.6	20.0	-2.1	20.0
o-Xylene	Ave	0.9359	0.9797	0.3000	20.9	20.0	4.7	20.0
Styrene	Ave	1.488	1.621	0.3000	21.8	20.0	9.0	20.0
Amyl acetate (mixed isomers)	Ave	1.311	1.200		18.3	20.0	-8.5	20.0
Bromoform	Ave	0.3552	0.3516	0.1000	19.8	20.0	-1.0	20.0
Isopropylbenzene	Ave	2.428	2.549	0.1000	21.0	20.0	5.0	20.0
Bromobenzene	Ave	0.9560	1.035		21.7	20.0	8.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7753	0.7216	0.3000	18.6	20.0	-6.9	20.0
N-Propylbenzene	Ave	4.002	4.124		20.6	20.0	3.1	20.0
1,2,3-Trichloropropane	Ave	0.2321	0.2467		21.3	20.0	6.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2342	0.2081		17.8	20.0	-11.2	20.0
2-Chlorotoluene	Ave	2.741	2.875		21.0	20.0	4.9	20.0
4-Ethyltoluene	Ave	3.105	3.633		23.4	20.0	17.0	20.0
1,3,5-Trimethylbenzene	Ave	3.099	3.057		19.7	20.0	-1.3	20.0
4-Chlorotoluene	Ave	2.492	2.556		20.5	20.0	2.6	20.0
Butyl Methacrylate	Ave	1.090	0.997		18.3	20.0	-8.5	20.0
tert-Butylbenzene	Ave	2.474	2.676		21.6	20.0	8.2	20.0
1,2,4-Trimethylbenzene	Ave	3.243	3.178		19.6	20.0	-2.0	20.0
sec-Butylbenzene	Ave	3.841	3.931		20.5	20.0	2.3	20.0
1,3-Dichlorobenzene	Ave	1.888	2.012	0.6000	21.3	20.0	6.6	20.0
4-Isopropyltoluene	Ave	3.505	3.574		20.4	20.0	2.0	20.0
1,4-Dichlorobenzene	Ave	1.958	2.009	0.5000	20.5	20.0	2.6	20.0
1,2,3-Trimethylbenzene	Ave	3.203	3.312		20.7	20.0	3.4	20.0
Benzyl chloride	Ave	1.670	1.719		20.6	20.0	3.0	50.0
Indan	Ave	3.160	3.351		21.2	20.0	6.0	20.0
p-Diethylbenzene	Ave	1.919	2.118		22.1	20.0	10.4	20.0
n-Butylbenzene	Ave	1.779	1.754		19.7	20.0	-1.4	20.0
1,2-Dichlorobenzene	Ave	1.787	1.935	0.4000	21.7	20.0	8.3	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.175	3.403		21.4	20.0	7.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1505	0.1397	0.0500	18.6	20.0	-7.2	50.0
1,3,5-Trichlorobenzene	Ave	1.463	1.615		22.1	20.0	10.4	20.0
1,2,4-Trichlorobenzene	Ave	1.421	1.487	0.2000	20.9	20.0	4.7	20.0
Hexachlorobutadiene	Ave	0.7298	0.7644		20.9	20.0	4.7	20.0
Naphthalene	Ave	2.494	2.970		23.8	20.0	19.1	50.0
1,2,3-Trichlorobenzene	Ave	1.343	1.373		20.4	20.0	2.2	20.0
Dibromofluoromethane (Surr)	Ave	0.3001	0.3090		51.5	50.0	3.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3887	0.3689		47.5	50.0	-5.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: CCVIS 460-430489/3 Calibration Date: 04/15/2017 01:19

Instrument ID: CVOAMS6 Calib Start Date: 03/21/2017 03:09

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 03/21/2017 11:24

Lab File ID: F45830.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
Toluene-d8 (Surr)	Ave	1.362	1.304		47.9	50.0	-4.2	20.0
4-Bromofluorobenzene	Ave	0.5816	0.5664		48.7	50.0	-2.6	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45830.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Apr-2017 01:19:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0053757-003
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Apr-2017 15:57:05 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: delpolitov Date: 17-Apr-2017 15:57:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.517	1.517	0.000	1	13316	20.0	18.2	M
2 Dichlorodifluoromethane	85	1.574	1.574	0.000	98	77346	20.0	17.2	
3 Chloromethane	50	1.738	1.738	0.000	99	94735	20.0	19.2	
4 Vinyl chloride	62	1.812	1.812	0.000	74	82015	20.0	16.5	
5 Butadiene	54	1.837	1.837	0.000	92	57616	20.0	15.7	
6 Bromomethane	94	2.116	2.116	0.000	98	57976	20.0	18.9	
7 Chloroethane	64	2.182	2.182	0.000	68	45480	20.0	17.5	
9 Trichlorofluoromethane	101	2.355	2.355	0.000	93	84777	20.0	16.9	
8 Dichlorofluoromethane	67	2.363	2.363	0.000	89	86163	20.0	13.8	
10 Pentane	72	2.388	2.388	0.000	95	16599	40.0	33.6	
12 Ethyl ether	59	2.585	2.585	0.000	96	41536	20.0	19.5	
13 2-Methyl-1,3-butadiene	53	2.609	2.609	0.000	97	43479	20.0	17.0	
11 Ethanol	46	2.618	2.618	0.000	6	9591	800.0	842.0	
14 1,2-Dichloro-1,1,2-trifluo	117	2.626	2.626	0.000	70	41052	20.0	17.5	
15 Acrolein	56	2.766	2.766	0.000	59	9547	40.0	31.7	
16 1,1,2-Trichloro-1,2,2-trif	101	2.782	2.782	0.000	43	38340	20.0	12.8	
17 1,1-Dichloroethene	96	2.790	2.790	0.000	98	46760	20.0	17.8	
18 Acetone	43	2.889	2.889	0.000	85	61070	100.0	99.5	
19 Iodomethane	142	2.946	2.946	0.000	98	87404	20.0	17.0	
21 Carbon disulfide	76	2.979	2.979	0.000	100	155825	20.0	15.4	
20 Isopropyl alcohol	45	2.987	2.987	0.000	26	21481	200.0	144.2	M
22 3-Chloro-1-propene	41	3.111	3.111	0.000	98	105456	20.0	16.7	
24 Methyl acetate	43	3.119	3.119	0.000	99	156380	100.0	101.0	
23 Cyclopentene	67	3.127	3.127	0.000	94	128748	20.0	19.6	
25 Acetonitrile	41	3.185	3.185	0.000	92	62973	200.0	181.3	
27 Methylene Chloride	84	3.234	3.234	0.000	91	56867	20.0	18.0	
* 26 TBA-d9 (IS)	46	3.234	3.234	0.000	69	46891	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.300	3.300	0.000	91	51403	200.0	230.2	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	96	129694	20.0	16.3	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	94	62550	20.0	21.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.497	3.497	0.000	95	167881	200.0	211.4	
32 Hexane	43	3.571	3.571	0.000	94	47385	20.0	17.0	
33 Isopropyl ether	45	3.784	3.784	0.000	97	166872	20.0	16.7	
34 1,1-Dichloroethane	63	3.817	3.817	0.000	76	106437	20.0	20.4	
35 Vinyl acetate	86	3.826	3.826	0.000	90	23011	40.0	53.7	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	92	55272	20.0	23.2	
37 Tert-butyl ethyl ether	59	4.097	4.097	0.000	89	154258	20.0	17.4	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	84	105522	250.0	250.0	
39 2,2-Dichloropropane	97	4.319	4.319	0.000	94	19497	20.0	18.0	
40 cis-1,2-Dichloroethene	96	4.335	4.335	0.000	96	72387	20.0	22.3	
42 Ethyl acetate	70	4.343	4.343	0.000	95	10559	40.0	46.1	
41 2-Butanone (MEK)	72	4.351	4.351	0.000	96	26128	100.0	113.9	
44 Propionitrile	54	4.491	4.491	0.000	97	61919	200.0	214.0	
45 Chlorobromomethane	128	4.565	4.565	0.000	75	36219	20.0	23.0	
46 Tetrahydrofuran	72	4.565	4.565	0.000	55	12400	40.0	48.1	
47 Methacrylonitrile	67	4.590	4.590	0.000	90	201450	200.0	236.3	
48 Chloroform	83	4.614	4.614	0.000	98	110589	20.0	21.9	
49 Cyclohexane	84	4.746	4.746	0.000	91	79459	20.0	17.2	
43 Methyl acrylate	55	4.409	4.409	0.000	90	34612	20.0	19.2	
50 1,1,1-Trichloroethane	97	4.762	4.762	0.000	96	91997	20.0	18.4	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	98	118502	50.0	51.5	
52 Carbon tetrachloride	117	4.886	4.886	0.000	98	87177	20.0	20.5	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	95	83599	20.0	21.4	
54 Isobutyl alcohol	43	5.033	5.033	0.000	32	72753	500.0	680.9	
55 Benzene	78	5.107	5.107	0.000	96	233721	20.0	21.4	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	96	141503	50.0	47.5	
57 Isopropyl acetate	43	5.165	5.165	0.000	95	161185	20.0	20.6	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	91	169848	20.0	19.9	
59 1,2-Dichloroethane	62	5.198	5.198	0.000	97	84251	20.0	21.2	M
60 n-Heptane	57	5.255	5.255	0.000	91	43462	20.0	19.1	
* 61 Fluorobenzene	96	5.395	5.395	0.000	98	383541	50.0	50.0	
62 n-Butanol	56	5.699	5.699	0.000	91	27263	500.0	430.9	
63 Trichloroethene	95	5.748	5.748	0.000	96	60821	20.0	21.5	
65 Ethyl acrylate	55	5.872	5.872	0.000	98	133703	20.0	19.0	
64 Methylcyclohexane	83	5.880	5.880	0.000	90	108640	20.0	20.8	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	85	55360	20.0	18.2	
* 67 1,4-Dioxane-d8	96	6.110	6.110	0.000	37	16738	1000.0	1000.0	
68 Methyl methacrylate	100	6.110	6.110	0.000	85	27758	40.0	45.5	
69 1,4-Dioxane	88	6.151	6.151	0.000	66	9938	400.0	458.4	
70 n-Propyl acetate	43	6.167	6.167	0.000	98	58856	20.0	17.6	
71 Dibromomethane	93	6.176	6.176	0.000	85	35436	20.0	21.3	
72 Dichlorobromomethane	83	6.315	6.315	0.000	98	75200	20.0	19.4	
73 2-Nitropropane	41	6.660	6.660	0.000	81	23877	40.0	31.1	
74 2-Chloroethyl vinyl ether	63	6.660	6.660	0.000	72	28946	20.0	17.9	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	87296	400.0	379.6	
76 cis-1,3-Dichloropropene	75	6.817	6.817	0.000	92	83555	20.0	18.0	
77 4-Methyl-2-pentanone (MIBK	43	6.989	6.989	0.000	97	239570	100.0	100.4	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	100	434069	50.0	47.9	
79 Toluene	91	7.145	7.145	0.000	94	245858	20.0	21.5	
80 trans-1,3-Dichloropropene	75	7.490	7.490	0.000	98	76226	20.0	18.3	
81 Ethyl methacrylate	69	7.523	7.523	0.000	90	64834	20.0	19.5	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	93	41244	20.0	20.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.753	7.753	0.000	96	77241	20.0	24.0	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	94	78516	20.0	20.2	
85 2-Hexanone	43	7.992	7.992	0.000	95	150898	100.0	96.9	
86 n-Butyl acetate	43	8.098	8.098	0.000	98	77107	20.0	18.9	
87 Chlorodibromomethane	129	8.156	8.156	0.000	97	61787	20.0	21.2	
88 Ethylene Dibromide	107	8.312	8.312	0.000	96	49396	20.0	21.9	
* 89 Chlorobenzene-d5	117	8.863	8.863	0.000	85	332773	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	96	176961	20.0	21.4	
91 Ethylbenzene	106	9.002	9.002	0.000	98	101731	20.0	21.8	
92 1,1,1,2-Tetrachloroethane	131	9.019	9.019	0.000	95	70125	20.0	20.2	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	96	126576	20.0	21.4	
94 n-Butyl acrylate	73	9.577	9.577	0.000	96	44794	20.0	19.6	
95 o-Xylene	106	9.586	9.586	0.000	94	130413	20.0	20.9	
96 Styrene	104	9.618	9.618	0.000	98	215821	20.0	21.8	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	91	115306	20.0	18.3	
98 Bromoform	173	9.816	9.816	0.000	97	46796	20.0	19.8	
99 Isopropylbenzene	105	9.931	9.931	0.000	96	339290	20.0	21.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	95	188487	50.0	48.7	
101 Bromobenzene	156	10.218	10.218	0.000	88	99485	20.0	21.7	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	97	69356	20.0	18.6	
103 N-Propylbenzene	91	10.276	10.276	0.000	100	396417	20.0	20.6	
104 1,2,3-Trichloropropane	110	10.292	10.292	0.000	95	23715	20.0	21.3	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	79	20004	20.0	17.8	
106 2-Chlorotoluene	91	10.366	10.366	0.000	98	276338	20.0	21.0	
107 4-Ethyltoluene	105	10.374	10.374	0.000	98	349175	20.0	23.4	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	95	293874	20.0	19.7	
109 4-Chlorotoluene	91	10.457	10.457	0.000	97	245665	20.0	20.5	
110 Butyl Methacrylate	87	10.506	10.506	0.000	94	95856	20.0	18.3	
111 tert-Butylbenzene	119	10.654	10.654	0.000	95	257180	20.0	21.6	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	96	305425	20.0	19.6	
113 sec-Butylbenzene	105	10.818	10.818	0.000	98	377858	20.0	20.5	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	98	343553	20.0	20.4	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	98	193364	20.0	21.3	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	93	240300	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.982	10.982	0.000	95	193140	20.0	20.5	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	318373	20.0	20.7	
118 Benzyl chloride	91	11.081	11.081	0.000	99	165274	20.0	20.6	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	95	322055	20.0	21.2	
120 p-Diethylbenzene	119	11.163	11.163	0.000	94	203593	20.0	22.1	
121 n-Butylbenzene	92	11.180	11.180	0.000	98	168635	20.0	19.7	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	97	185984	20.0	21.7	
123 1,2,4,5-Tetramethylbenzene	119	11.640	11.640	0.000	98	327116	20.0	21.4	
124 1,2-Dibromo-3-Chloropropan	75	11.714	11.714	0.000	95	13424	20.0	18.6	
125 1,3,5-Trichlorobenzene	180	11.804	11.804	0.000	97	155267	20.0	22.1	
126 1,2,4-Trichlorobenzene	180	12.207	12.207	0.000	94	142937	20.0	20.9	
127 Hexachlorobutadiene	225	12.273	12.273	0.000	97	73470	20.0	20.9	
128 Naphthalene	128	12.388	12.388	0.000	99	285443	20.0	23.8	
129 1,2,3-Trichlorobenzene	180	12.552	12.552	0.000	95	131973	20.0	20.4	
S 130 1,2-Dichloroethene, Total	100				0		40.0	43.5	
S 131 Xylenes, Total	100				0		40.0	42.4	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00054	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
GASES Li_00202	Amount Added:	20.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

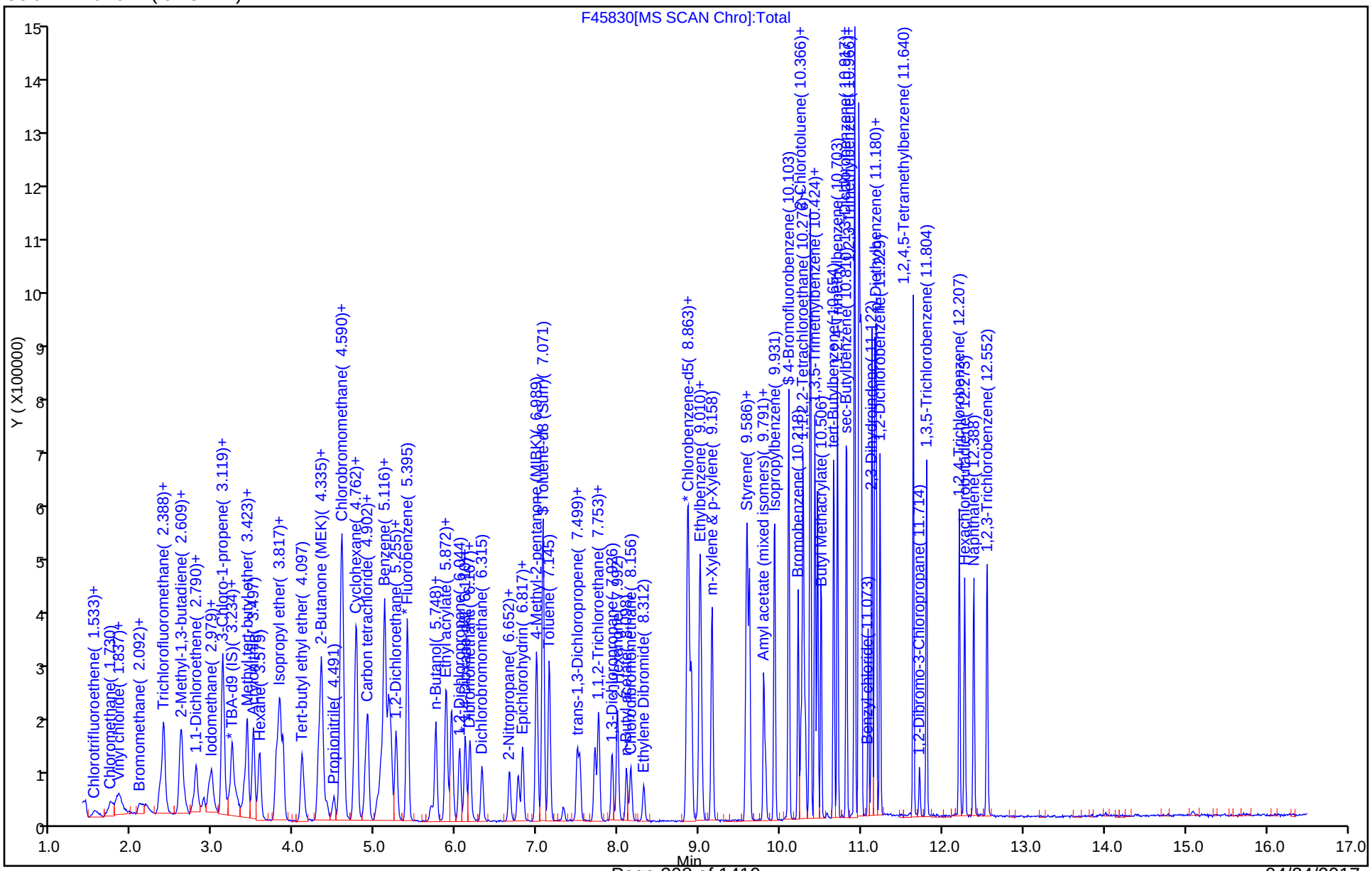
Report Date: 17-Apr-2017 15:57:06 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45830.D

Injection Date:	15-Apr-2017 01:19:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

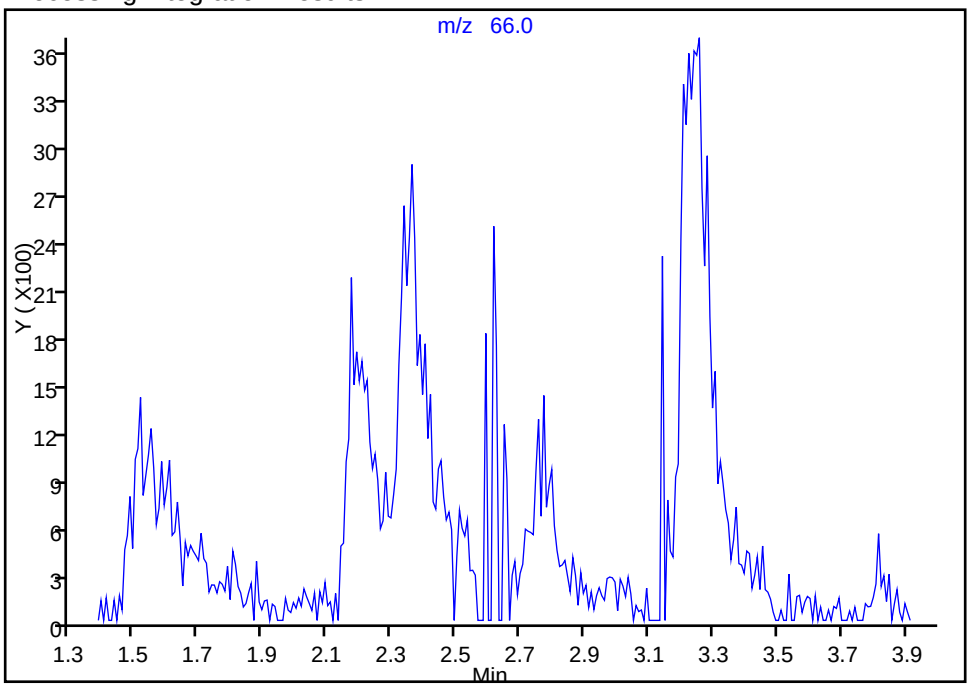
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Injection Date: 15-Apr-2017 01:19:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

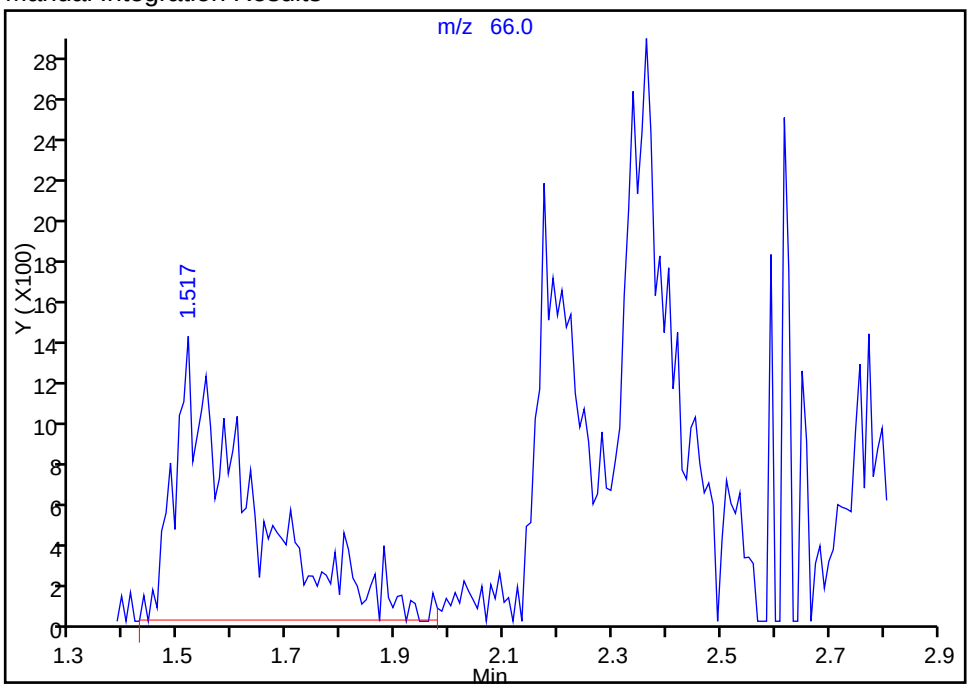
Not Detected
Expected RT: 1.52

Processing Integration Results



Manual Integration Results

RT: 1.52
Area: 13316
Amount: 18.185893
Amount Units: ug/l



Reviewer: boykink, 17-Apr-2017 15:55:23
Audit Action: Assigned Compound ID Audit Reason:

Manual Integration/User Assign Peak Report

TestAmerica Edison

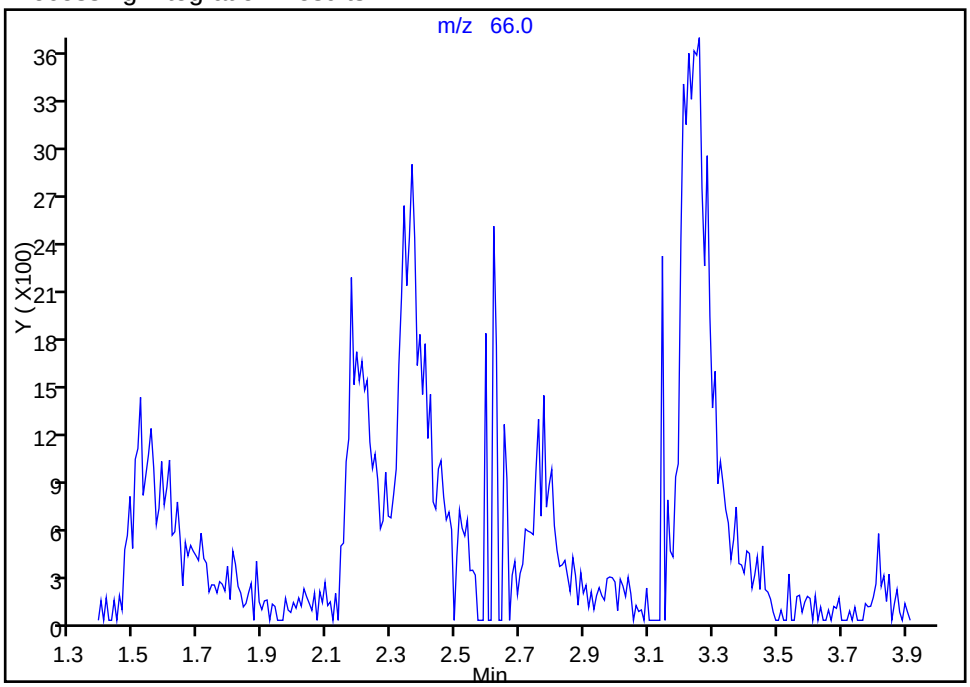
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Injection Date: 15-Apr-2017 01:19:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

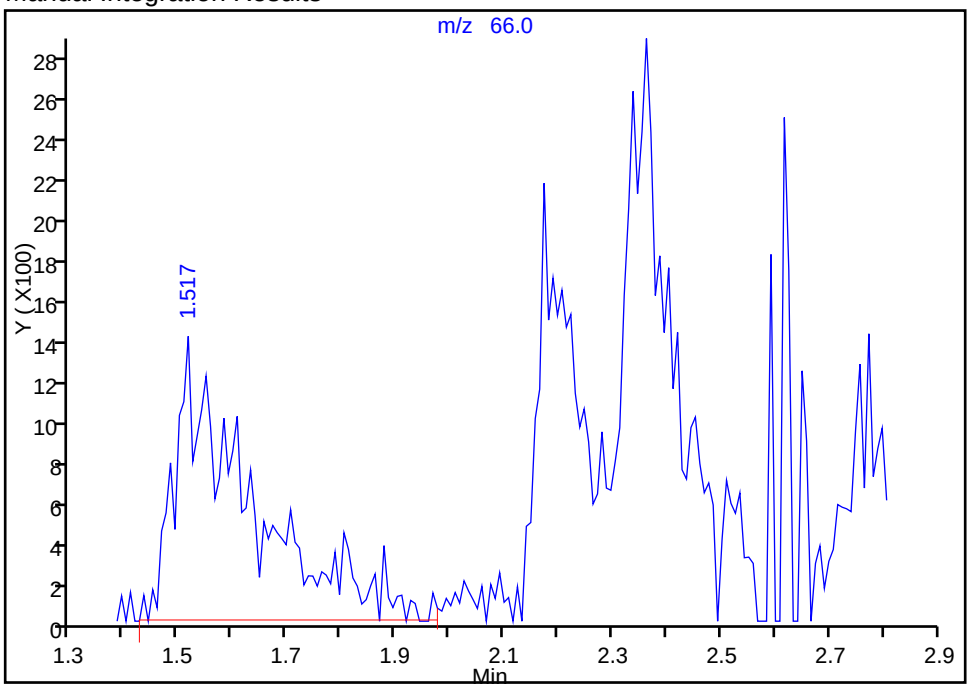
Not Detected
Expected RT: 1.52

Processing Integration Results



Manual Integration Results

RT: 1.52
Area: 13316
Amount: 18.185893
Amount Units: ug/l



Reviewer: kluseys, 17-Apr-2017 15:55:23
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

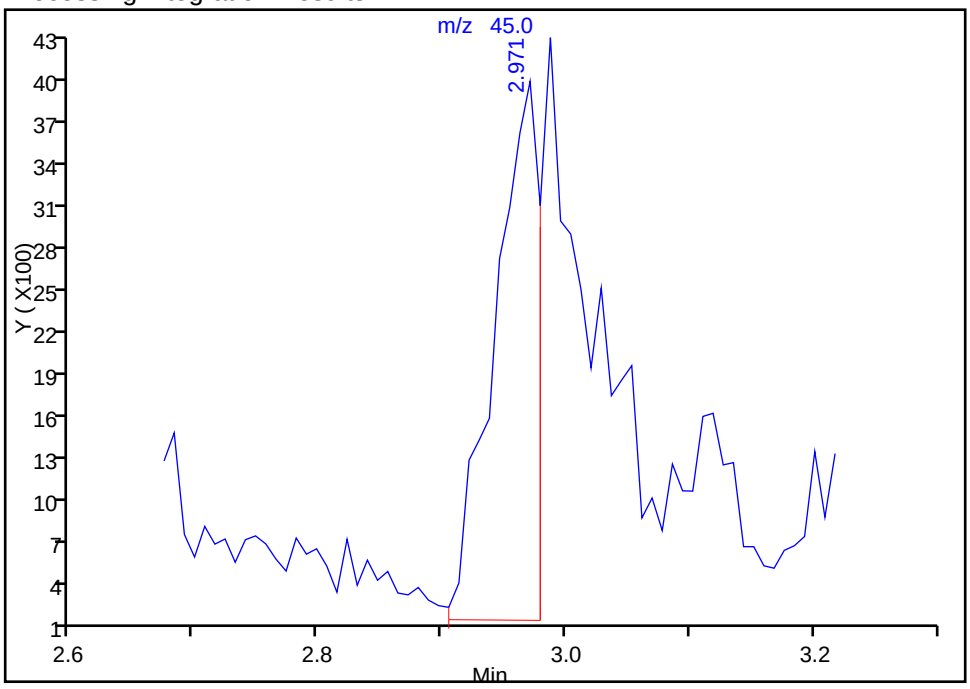
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45830.D
Injection Date: 15-Apr-2017 01:19:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

20 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

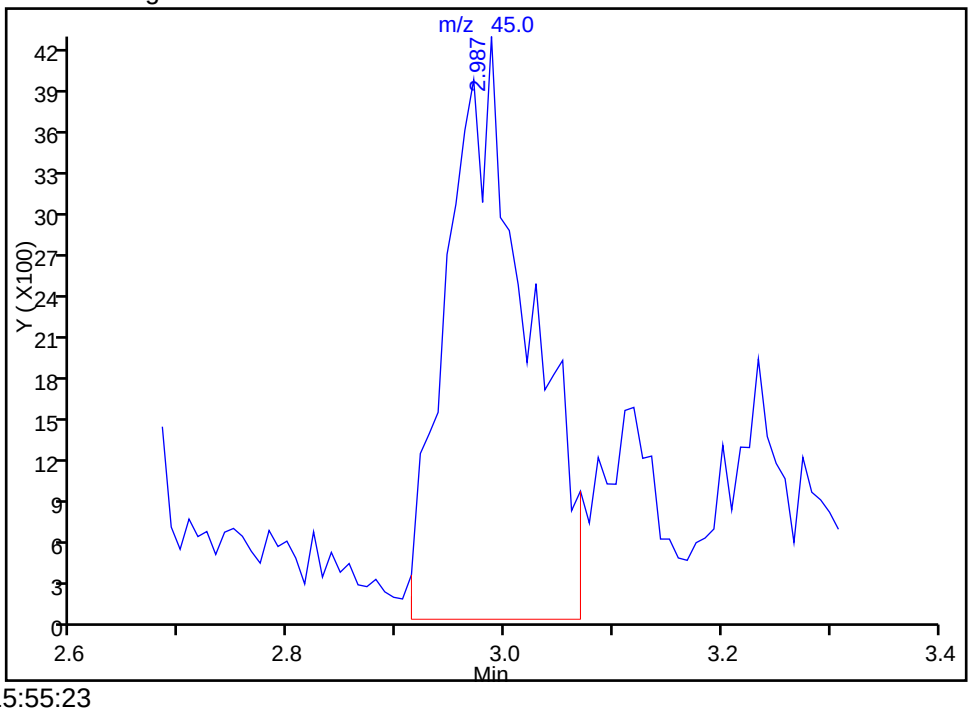
Processing Integration Results

RT: 2.97
Area: 9759
Amount: 65.507860
Amount Units: ug/l



Manual Integration Results

RT: 2.99
Area: 21481
Amount: 144.1925
Amount Units: ug/l



Reviewer: kluseys, 17-Apr-2017 15:55:23
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

TestAmerica Edison

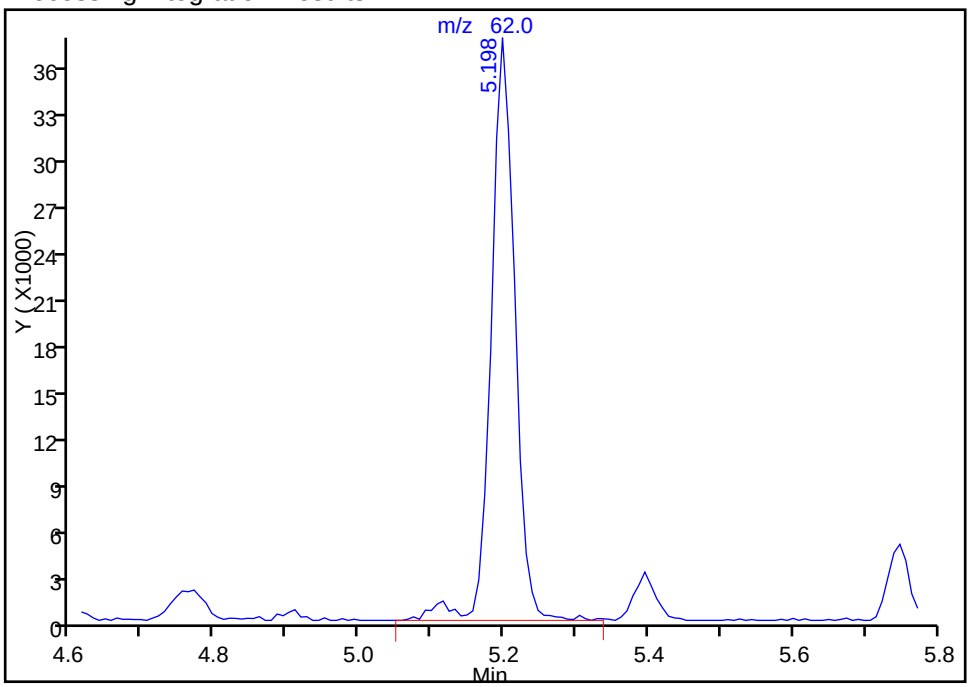
Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45830.D				
Injection Date:	15-Apr-2017 01:19:30	Instrument ID:	CVOAMS6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

59 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

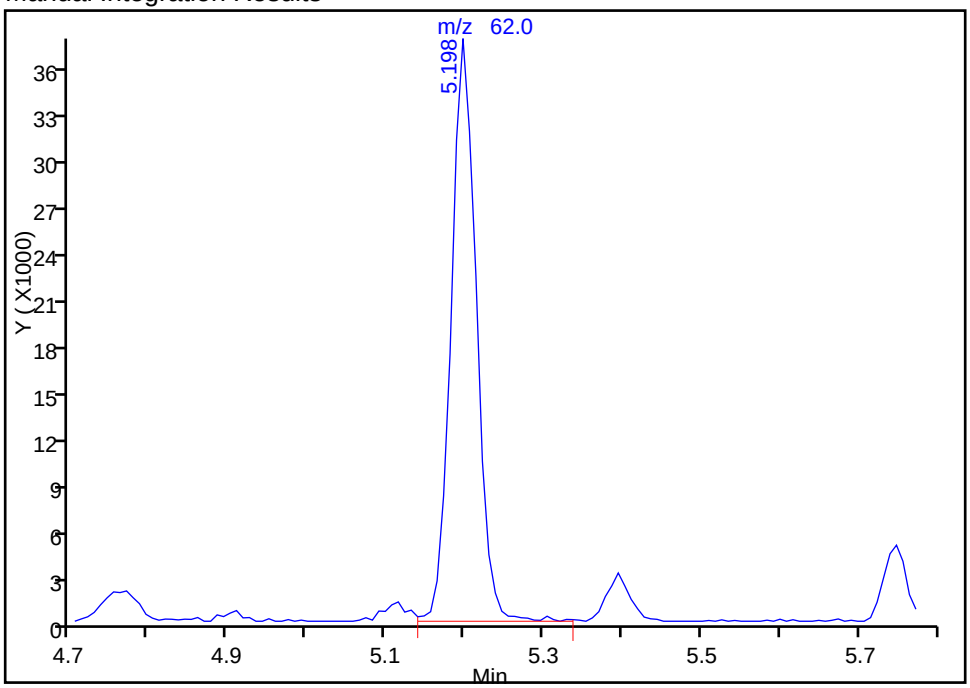
Processing Integration Results

RT: 5.20
Area: 86858
Amount: 21.859483
Amount Units: ug/l



Manual Integration Results

RT: 5.20
Area: 84251
Amount: 21.203381
Amount Units: ug/l



Reviewer: delpolitov, 17-Apr-2017 15:56:34

Audit Action: Split an Integrated Peak Audit Reason: Shouldering

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: CCVIS 460-431214/3 Calibration Date: 04/18/2017 12:57

Instrument ID: CVOAMS6 Calib Start Date: 04/17/2017 21:51

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/18/2017 00:10

Lab File ID: F45960.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
Chlorotrifluoroethene	Ave	0.0819	0.0775		18.9	20.0	-5.3	20.0
Dichlorodifluoromethane	Ave	0.5444	0.4676	0.1000	17.2	20.0	-14.1	20.0
Chloromethane	Ave	0.6538	0.5604	0.1000	17.1	20.0	-14.3	20.0
Vinyl chloride	Ave	0.5088	0.4511	0.1000	17.7	20.0	-11.3	20.0
Butadiene	Ave	0.3492	0.3213		18.4	20.0	-8.0	20.0
Bromomethane	Ave	0.4494	0.3625	0.1000	16.1	20.0	-19.3	50.0
Chloroethane	Ave	0.2917	0.2750	0.1000	18.9	20.0	-5.7	50.0
Dichlorofluoromethane	Ave	0.5144	0.4617		18.0	20.0	-10.2	20.0
Trichlorofluoromethane	Ave	0.5510	0.4654	0.1000	16.9	20.0	-15.5	20.0
Pentane	Qua2		0.0574		43.9	40.0	9.8	20.0
Ethanol	QuaF		0.0490		882	800	10.2	50.0
Ethyl ether	Ave	0.2839	0.2736		19.3	20.0	-3.6	20.0
2-Methyl-1,3-butadiene	Ave	0.2944	0.3039		20.6	20.0	3.2	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2659	0.2649		19.9	20.0	-0.4	20.0
Acrolein	Ave	1.727	1.590		36.8	40.0	-7.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2613	0.2577	0.1000	19.7	20.0	-1.4	20.0
1,1-Dichloroethene	Ave	0.3401	0.3101	0.1000	18.2	20.0	-8.8	20.0
Acetone	Ave	2.117	1.507	0.0500	71.2	100	-28.8	50.0
Iodomethane	Ave	0.6765	0.6158		18.2	20.0	-9.0	20.0
Carbon disulfide	Ave	1.081	1.036	0.1000	19.2	20.0	-4.2	50.0
Isopropyl alcohol	Ave	0.8055	0.7888		196	200	-2.1	50.0
Allyl chloride	Ave	0.6731	0.6769		20.1	20.0	0.6	20.0
Methyl acetate	Ave	0.2189	0.2058	0.1000	94.0	100	-6.0	20.0
Cyclopentene	Ave	0.8539	0.8885		20.8	20.0	4.1	20.0
Acetonitrile	Ave	0.0447	0.0367		164	200	-18.0	20.0
Methylene Chloride	Ave	0.4224	0.3759	0.1000	17.8	20.0	-11.0	20.0
2-Methyl-2-propanol	Ave	1.761	1.646		187	200	-6.5	50.0
Methyl tert-butyl ether	Ave	0.8248	0.8223	0.1000	19.9	20.0	-0.3	20.0
trans-1,2-Dichloroethene	Ave	0.4514	0.4449	0.1000	19.7	20.0	-1.4	20.0
Acrylonitrile	Ave	0.1198	0.1139		190	200	-5.0	20.0
Hexane	Ave	0.3160	0.3236		20.5	20.0	2.4	20.0
Isopropyl ether	Ave	1.099	1.059		19.3	20.0	-3.6	20.0
1,1-Dichloroethane	Ave	0.7297	0.6857	0.2000	18.8	20.0	-6.0	20.0
Vinyl acetate	Ave	0.0752	0.0694		36.9	40.0	-7.7	20.0
2-Chloro-1,3-butadiene	Ave	0.3805	0.3733		19.6	20.0	-1.9	20.0
Tert-butyl ethyl ether	Ave	0.9554	0.9709		20.3	20.0	1.6	20.0
2,2-Dichloropropane	Ave	0.1297	0.1277		19.7	20.0	-1.5	20.0
cis-1,2-Dichloroethene	Ave	0.5136	0.4847	0.1000	18.9	20.0	-5.6	20.0
2-Butanone (MEK)	Lin2		0.6717	0.0500	85.4	100	-14.6	50.0
Ethyl acetate	Lin2		0.6310		34.1	40.0	-14.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: CCVIS 460-431214/3 Calibration Date: 04/18/2017 12:57

Instrument ID: CVOAMS6 Calib Start Date: 04/17/2017 21:51

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/18/2017 00:10

Lab File ID: F45960.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
Methyl acrylate	Ave	0.2898	0.2504		17.3	20.0	-13.6	20.0
Propionitrile	Ave	0.0448	0.0421		188	200	-5.9	20.0
Chlorobromomethane	Ave	0.2621	0.2345		17.9	20.0	-10.5	20.0
Tetrahydrofuran	Lin2		0.7898		33.1	40.0	-17.3	20.0
Methacrylonitrile	Ave	0.1351	0.1290		191	200	-4.5	20.0
Chloroform	Ave	0.7995	0.7242	0.2000	18.1	20.0	-9.4	20.0
Cyclohexane	Ave	0.4725	0.5177	0.1000	21.9	20.0	9.6	50.0
1,1,1-Trichloroethane	Ave	0.6285	0.6082	0.1000	19.4	20.0	-3.2	20.0
Carbon tetrachloride	Ave	0.5734	0.5808	0.1000	20.3	20.0	1.3	20.0
1,1-Dichloropropene	Ave	0.5352	0.5241		19.6	20.0	-2.1	20.0
Isobutyl alcohol	Ave	0.9805	0.998		509	500	1.7	50.0
Benzene	Ave	1.810	1.592	0.5000	17.6	20.0	-12.1	20.0
Isopropyl acetate	Ave	0.9946	0.9731		19.6	20.0	-2.2	20.0
Tert-amyl methyl ether	Ave	1.096	1.085		19.8	20.0	-1.0	20.0
1,2-Dichloroethane	Ave	0.6053	0.5481	0.1000	18.1	20.0	-9.4	20.0
n-Heptane	Ave	0.2685	0.2879		21.4	20.0	7.2	20.0
n-Butanol	Ave	0.4234	0.3745		442	500	-11.5	50.0
Trichloroethene	Ave	0.4475	0.4084	0.2000	18.3	20.0	-8.7	20.0
Ethyl acrylate	Ave	0.8118	0.8540		21.0	20.0	5.2	20.0
Methylcyclohexane	Ave	0.6204	0.7006	0.1000	22.6	20.0	12.9	50.0
1,2-Dichloropropane	Ave	0.3938	0.3561	0.1000	18.1	20.0	-9.6	20.0
Methyl methacrylate	Ave	0.1026	0.0950		37.0	40.0	-7.4	20.0
1,4-Dioxane	Ave	1.653	1.492		361	400	-9.7	50.0
Dibromomethane	Ave	0.2791	0.2480		17.8	20.0	-11.1	20.0
n-Propyl acetate	Ave	0.4313	0.4120		19.1	20.0	-4.5	20.0
Dichlorobromomethane	Ave	0.5415	0.4883	0.2000	18.0	20.0	-9.8	20.0
2-Chloroethyl vinyl ether	Ave	0.1950	0.1867		19.1	20.0	-4.3	20.0
2-Nitropropane	Ave	0.0945	0.0812		34.4	40.0	-14.1	20.0
Epichlorohydrin	Ave	0.6195	0.5584		361	400	-9.9	20.0
cis-1,3-Dichloropropene	Ave	0.6872	0.6085	0.2000	17.7	20.0	-11.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	6.444	5.693	0.0500	88.4	100	-11.6	50.0
Toluene	Ave	1.934	1.751	0.4000	18.1	20.0	-9.5	20.0
trans-1,3-Dichloropropene	Ave	0.6230	0.5593	0.1000	18.0	20.0	-10.2	50.0
Ethyl methacrylate	Ave	0.5051	0.4547		18.0	20.0	-10.0	20.0
1,1,2-Trichloroethane	Ave	0.3311	0.2937	0.1000	17.7	20.0	-11.3	20.0
Tetrachloroethene	Ave	0.6023	0.5482	0.2000	18.2	20.0	-9.0	20.0
1,3-Dichloropropane	Ave	0.6200	0.5706		18.4	20.0	-8.0	20.0
2-Hexanone	Ave	4.209	3.749	0.0500	89.1	100	-10.9	50.0
n-Butyl acetate	Ave	0.5881	0.5215		17.7	20.0	-11.3	20.0
Chlorodibromomethane	Ave	0.5031	0.4526	0.1000	18.0	20.0	-10.0	50.0
Ethylene Dibromide	Ave	0.4026	0.3633	0.1000	18.0	20.0	-9.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: CCVIS 460-431214/3 Calibration Date: 04/18/2017 12:57

Instrument ID: CVOAMS6 Calib Start Date: 04/17/2017 21:51

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/18/2017 00:10

Lab File ID: F45960.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
Chlorobenzene	Ave	1.406	1.299	0.5000	18.5	20.0	-7.6	20.0
Ethylbenzene	Ave	0.7794	0.7013	0.1000	18.0	20.0	-10.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5709	0.5180		18.1	20.0	-9.3	20.0
m-Xylene & p-Xylene	Ave	0.9746	0.8754	0.1000	18.0	20.0	-10.2	20.0
n-Butyl acrylate	Ave	0.3639	0.3134		17.2	20.0	-13.9	20.0
o-Xylene	Ave	0.9892	0.9274	0.3000	18.8	20.0	-6.2	20.0
Styrene	Ave	1.589	1.533	0.3000	19.3	20.0	-3.5	20.0
Amyl acetate (mixed isomers)	Ave	1.195	1.144		19.2	20.0	-4.2	20.0
Bromoform	Ave	0.3933	0.3489	0.1000	17.7	20.0	-11.3	20.0
Isopropylbenzene	Ave	2.389	2.392	0.1000	20.0	20.0	0.1	20.0
Bromobenzene	Ave	1.120	1.011		18.1	20.0	-9.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7981	0.7123	0.3000	17.9	20.0	-10.7	20.0
N-Propylbenzene	Ave	3.801	4.017		21.1	20.0	5.7	20.0
1,2,3-Trichloropropane	Ave	0.2795	0.2443		17.5	20.0	-12.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2472	0.2324		18.8	20.0	-6.0	20.0
2-Chlorotoluene	Ave	2.857	2.800		19.6	20.0	-2.0	20.0
4-Ethyltoluene	Ave	3.422	3.649		21.3	20.0	6.6	20.0
1,3,5-Trimethylbenzene	Ave	2.958	3.049		20.6	20.0	3.1	20.0
4-Chlorotoluene	Ave	2.571	2.592		20.2	20.0	0.8	20.0
Butyl Methacrylate	Ave	1.039	0.9518		18.3	20.0	-8.4	20.0
tert-Butylbenzene	Ave	2.570	2.634		20.5	20.0	2.5	20.0
1,2,4-Trimethylbenzene	Ave	3.041	3.112		20.5	20.0	2.3	20.0
sec-Butylbenzene	Ave	3.846	3.830		19.9	20.0	-0.4	20.0
1,3-Dichlorobenzene	Ave	2.087	2.008	0.6000	19.2	20.0	-3.8	20.0
4-Isopropyltoluene	Ave	3.327	3.500		21.0	20.0	5.2	20.0
1,4-Dichlorobenzene	Ave	2.141	1.983	0.5000	18.5	20.0	-7.4	20.0
1,2,3-Trimethylbenzene	Ave	3.461	3.315		19.2	20.0	-4.2	20.0
Benzyl chloride	Ave	1.693	1.703		20.1	20.0	0.6	50.0
Indan	Ave	3.458	3.264		18.9	20.0	-5.6	20.0
p-Diethylbenzene	Ave	2.060	2.064		20.0	20.0	0.2	20.0
n-Butylbenzene	Ave	1.690	1.701		20.1	20.0	0.6	20.0
1,2-Dichlorobenzene	Ave	1.984	1.848	0.4000	18.6	20.0	-6.8	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.391	3.239		19.1	20.0	-4.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1530	0.1360	0.0500	17.8	20.0	-11.1	50.0
1,3,5-Trichlorobenzene	Ave	1.707	1.564		18.3	20.0	-8.4	20.0
1,2,4-Trichlorobenzene	Ave	1.542	1.448	0.2000	18.8	20.0	-6.1	20.0
Hexachlorobutadiene	Ave	0.7745	0.7370		19.0	20.0	-4.8	20.0
Naphthalene	Ave	2.846	2.784		19.6	20.0	-2.2	50.0
1,2,3-Trichlorobenzene	Ave	1.463	1.401		19.2	20.0	-4.2	20.0
Dibromofluoromethane (Surr)	Ave	0.3301	0.3342		50.6	50.0	1.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3931	0.3834		48.8	50.0	-2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: CCVIS 460-431214/3 Calibration Date: 04/18/2017 12:57

Instrument ID: CVOAMS6 Calib Start Date: 04/17/2017 21:51

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 04/18/2017 00:10

Lab File ID: F45960.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
Toluene-d8 (Surr)	Ave	1.373	1.322		48.1	50.0	-3.7	20.0
4-Bromofluorobenzene	Ave	0.6063	0.6064		50.0	50.0	0.0	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45960.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Apr-2017 12:57:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0053910-003
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub42

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 19:30:12 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: moroneyc Date: 18-Apr-2017 13:16:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.566	1.566	0.000	98	92447	20.0	17.2	
1 Chlorotrifluoroethene	66	1.566	1.566	0.000	72	15325	20.0	18.9	M
3 Chloromethane	50	1.763	1.763	0.000	99	110802	20.0	17.1	
4 Vinyl chloride	62	1.845	1.845	0.000	96	89191	20.0	17.7	
5 Butadiene	54	1.853	1.853	0.000	94	63524	20.0	18.4	
6 Bromomethane	94	2.116	2.116	0.000	97	71663	20.0	16.1	
7 Chloroethane	64	2.199	2.199	0.000	97	54364	20.0	18.9	
9 Trichlorofluoromethane	101	2.363	2.363	0.000	96	92003	20.0	16.9	
8 Dichlorofluoromethane	67	2.363	2.363	0.000	90	91285	20.0	18.0	
10 Pentane	72	2.404	2.404	0.000	95	22704	40.0	43.9	
11 Ethanol	46	2.593	2.593	0.000	68	7359	800.0	881.6	
12 Ethyl ether	59	2.593	2.593	0.000	95	54091	20.0	19.3	
13 2-Methyl-1,3-butadiene	53	2.618	2.618	0.000	93	60079	20.0	20.6	
14 1,2-Dichloro-1,1,2-trifluo	117	2.634	2.634	0.000	76	52379	20.0	19.9	
15 Acrolein	56	2.774	2.774	0.000	75	11928	40.0	36.8	
16 1,1,2-Trichloro-1,2,2-trif	101	2.782	2.782	0.000	94	50940	20.0	19.7	
17 1,1-Dichloroethene	96	2.798	2.798	0.000	96	61310	20.0	18.2	
18 Acetone	43	2.889	2.889	0.000	86	77936	100.0	71.2	
19 Iodomethane	142	2.955	2.955	0.000	99	121745	20.0	18.2	
21 Carbon disulfide	76	2.987	2.987	0.000	100	204846	20.0	19.2	
20 Isopropyl alcohol	45	2.987	2.987	0.000	33	29596	200.0	195.9	
22 3-Chloro-1-propene	41	3.119	3.119	0.000	79	133817	20.0	20.1	
24 Methyl acetate	43	3.127	3.127	0.000	97	203459	100.0	94.0	
23 Cyclopentene	67	3.135	3.135	0.000	89	175668	20.0	20.8	
25 Acetonitrile	41	3.193	3.193	0.000	93	72556	200.0	164.0	
* 26 TBA-d9 (IS)	65	3.234	3.234	0.000	82	187601	1000.0	1000.0	
27 Methylene Chloride	84	3.242	3.242	0.000	92	74321	20.0	17.8	
28 2-Methyl-2-propanol	59	3.316	3.316	0.000	91	61753	200.0	186.9	
29 Methyl tert-butyl ether	73	3.406	3.406	0.000	95	162572	20.0	19.9	
30 trans-1,2-Dichloroethene	96	3.431	3.431	0.000	93	87968	20.0	19.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53	3.497	3.497	0.000	96	225156	200.0	190.1	
32 Hexane	43	3.579	3.579	0.000	90	63968	20.0	20.5	
33 Isopropyl ether	45	3.793	3.793	0.000	89	209371	20.0	19.3	
34 1,1-Dichloroethane	63	3.826	3.826	0.000	99	135560	20.0	18.8	
35 Vinyl acetate	86	3.834	3.834	0.000	92	27437	40.0	36.9	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	92	73795	20.0	19.6	
37 Tert-butyl ethyl ether	59	4.105	4.105	0.000	88	191948	20.0	20.3	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	92	129266	250.0	250.0	
39 2,2-Dichloropropane	97	4.335	4.335	0.000	94	25243	20.0	19.7	
40 cis-1,2-Dichloroethene	96	4.343	4.343	0.000	98	95833	20.0	18.9	
41 2-Butanone (MEK)	72	4.351	4.351	0.000	97	34732	100.0	85.4	
42 Ethyl acetate	70	4.360	4.360	0.000	95	13051	40.0	34.1	
43 Methyl acrylate	55	4.409	4.409	0.000	98	46168	20.0	17.3	
44 Propionitrile	54	4.491	4.491	0.000	98	83295	200.0	188.1	
45 Chlorobromomethane	128	4.565	4.565	0.000	82	46358	20.0	17.9	
46 Tetrahydrofuran	72	4.565	4.565	0.000	55	16334	40.0	33.1	
47 Methacrylonitrile	67	4.590	4.590	0.000	91	255003	200.0	190.9	
48 Chloroform	83	4.614	4.614	0.000	98	143181	20.0	18.1	
49 Cyclohexane	84	4.754	4.754	0.000	89	102350	20.0	21.9	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	98	165196	50.0	50.6	
50 1,1,1-Trichloroethane	97	4.770	4.770	0.000	94	120245	20.0	19.4	
52 Carbon tetrachloride	117	4.885	4.885	0.000	96	114822	20.0	20.3	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	95	103613	20.0	19.6	
54 Isobutyl alcohol	43	5.033	5.033	0.000	90	93577	500.0	508.7	
55 Benzene	78	5.107	5.107	0.000	96	293418	20.0	17.6	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	97	189505	50.0	48.8	
57 Isopropyl acetate	43	5.165	5.165	0.000	96	192392	20.0	19.6	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	92	214455	20.0	19.8	
59 1,2-Dichloroethane	62	5.198	5.198	0.000	97	108365	20.0	18.1	
60 n-Heptane	57	5.255	5.255	0.000	89	56909	20.0	21.4	
* 61 Fluorobenzene	96	5.395	5.395	0.000	99	494266	50.0	50.0	
62 n-Butanol	56	5.691	5.691	0.000	89	35130	500.0	442.3	
63 Trichloroethene	95	5.748	5.748	0.000	94	80744	20.0	18.3	
65 Ethyl acrylate	55	5.872	5.872	0.000	96	168844	20.0	21.0	
64 Methylcyclohexane	83	5.880	5.880	0.000	88	138520	20.0	22.6	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	89	70398	20.0	18.1	
* 67 1,4-Dioxane-d8	96	6.102	6.102	0.000	37	20850	1000.0	1000.0	
68 Methyl methacrylate	100	6.110	6.110	0.000	86	37568	40.0	37.0	
69 1,4-Dioxane	88	6.159	6.159	0.000	26	12446	400.0	361.1	
70 n-Propyl acetate	43	6.167	6.167	0.000	99	81459	20.0	19.1	
71 Dibromomethane	93	6.167	6.167	0.000	77	49034	20.0	17.8	
72 Dichlorobromomethane	83	6.315	6.315	0.000	98	96537	20.0	18.0	
74 2-Chloroethyl vinyl ether	63	6.652	6.652	0.000	72	36910	20.0	19.1	
73 2-Nitropropane	41	6.660	6.660	0.000	81	32086	40.0	34.4	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	115499	400.0	360.6	
76 cis-1,3-Dichloropropene	75	6.816	6.816	0.000	93	112187	20.0	17.7	
77 4-Methyl-2-pentanone (MIBK	43	6.989	6.989	0.000	95	294367	100.0	88.4	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	100	609514	50.0	48.1	
79 Toluene	91	7.145	7.145	0.000	94	322756	20.0	18.1	
80 trans-1,3-Dichloropropene	75	7.490	7.490	0.000	98	103115	20.0	18.0	
81 Ethyl methacrylate	69	7.523	7.523	0.000	89	83836	20.0	18.0	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	93	54152	20.0	17.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Tetrachloroethene	166	7.753	7.753	0.000	96	101075	20.0	18.2	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	94	105203	20.0	18.4	
85 2-Hexanone	43	7.983	7.983	0.000	94	193872	100.0	89.1	
86 n-Butyl acetate	43	8.098	8.098	0.000	98	96146	20.0	17.7	
87 Chlorodibromomethane	129	8.156	8.156	0.000	97	83436	20.0	18.0	
88 Ethylene Dibromide	107	8.312	8.312	0.000	100	66978	20.0	18.0	
* 89 Chlorobenzene-d5	117	8.862	8.862	0.000	84	460915	50.0	50.0	
90 Chlorobenzene	112	8.895	8.895	0.000	96	239564	20.0	18.5	
91 Ethylbenzene	106	9.002	9.002	0.000	98	129291	20.0	18.0	
92 1,1,1,2-Tetrachloroethane	131	9.019	9.019	0.000	93	95500	20.0	18.1	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	96	161384	20.0	18.0	
94 n-Butyl acrylate	73	9.569	9.569	0.000	96	57780	20.0	17.2	
95 o-Xylene	106	9.586	9.586	0.000	94	170985	20.0	18.8	
96 Styrene	104	9.618	9.618	0.000	96	282591	20.0	19.3	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	92	144993	20.0	19.2	
98 Bromoform	173	9.816	9.816	0.000	98	64318	20.0	17.7	
99 Isopropylbenzene	105	9.922	9.922	0.000	96	440976	20.0	20.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	279502	50.0	50.0	
101 Bromobenzene	156	10.218	10.218	0.000	88	128185	20.0	18.1	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	97	90284	20.0	17.9	
103 N-Propylbenzene	91	10.276	10.276	0.000	100	509193	20.0	21.1	
104 1,2,3-Trichloropropane	110	10.292	10.292	0.000	96	30966	20.0	17.5	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	90	29456	20.0	18.8	
106 2-Chlorotoluene	91	10.366	10.366	0.000	97	354908	20.0	19.6	
107 4-Ethyltoluene	105	10.374	10.374	0.000	98	462546	20.0	21.3	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	94	386422	20.0	20.6	
109 4-Chlorotoluene	91	10.457	10.457	0.000	97	328584	20.0	20.2	
110 Butyl Methacrylate	87	10.498	10.498	0.000	94	120644	20.0	18.3	
111 tert-Butylbenzene	119	10.654	10.654	0.000	95	333888	20.0	20.5	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	97	394438	20.0	20.5	
113 sec-Butylbenzene	105	10.818	10.818	0.000	98	485471	20.0	19.9	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	74	254470	20.0	19.2	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	97	443668	20.0	21.0	
* 116 1,4-Dichlorobenzene-d4	152	10.974	10.974	0.000	92	316877	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.982	10.982	0.000	96	251287	20.0	18.5	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	420139	20.0	19.2	
118 Benzyl chloride	91	11.089	11.089	0.000	99	215835	20.0	20.1	
119 2,3-Dihydroindene	117	11.139	11.139	0.000	95	413736	20.0	18.9	
120 p-Diethylbenzene	119	11.171	11.171	0.000	94	261588	20.0	20.0	
121 n-Butylbenzene	92	11.188	11.188	0.000	98	215592	20.0	20.1	
122 1,2-Dichlorobenzene	146	11.237	11.237	0.000	97	234281	20.0	18.6	
123 1,2,4,5-Tetramethylbenzene	119	11.664	11.664	0.000	98	410557	20.0	19.1	
124 1,2-Dibromo-3-Chloropropan	75	11.738	11.738	0.000	94	17242	20.0	17.8	
125 1,3,5-Trichlorobenzene	180	11.821	11.821	0.000	96	198175	20.0	18.3	
126 1,2,4-Trichlorobenzene	180	12.231	12.231	0.000	93	183566	20.0	18.8	
127 Hexachlorobutadiene	225	12.297	12.297	0.000	98	93410	20.0	19.0	
128 Naphthalene	128	12.412	12.412	0.000	99	352820	20.0	19.6	
129 1,2,3-Trichlorobenzene	180	12.577	12.577	0.000	96	177607	20.0	19.2	
S 130 1,2-Dichloroethene, Total	100				0		40.0	38.6	
S 131 Xylenes, Total	100				0		40.0	36.7	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00055	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
GASES Li_00203	Amount Added:	20.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Apr-2017 19:30:17 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45960.D

Injection Date: 18-Apr-2017 12:57:30 Instrument ID: CVOAMS6 Operator ID:

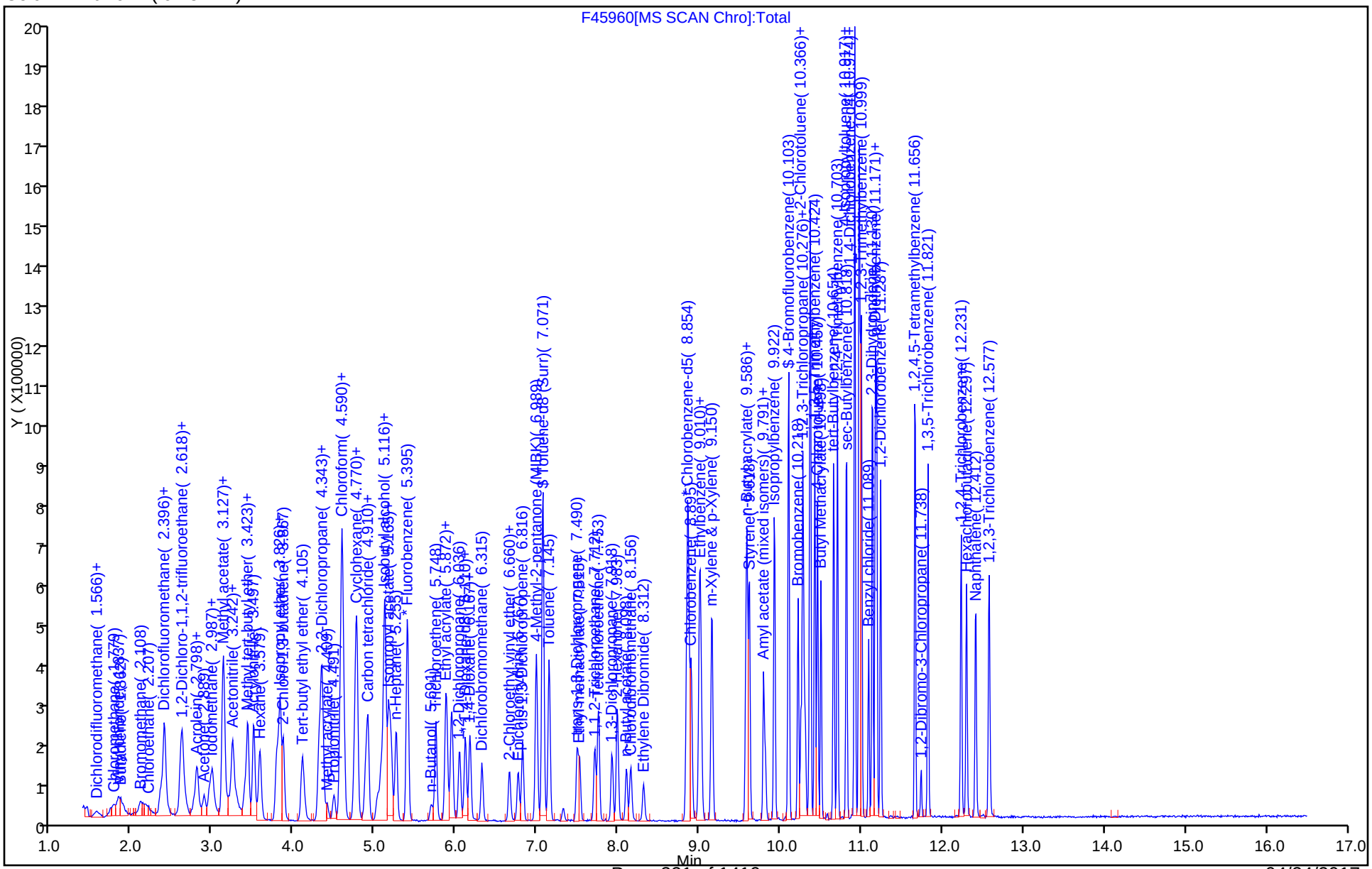
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

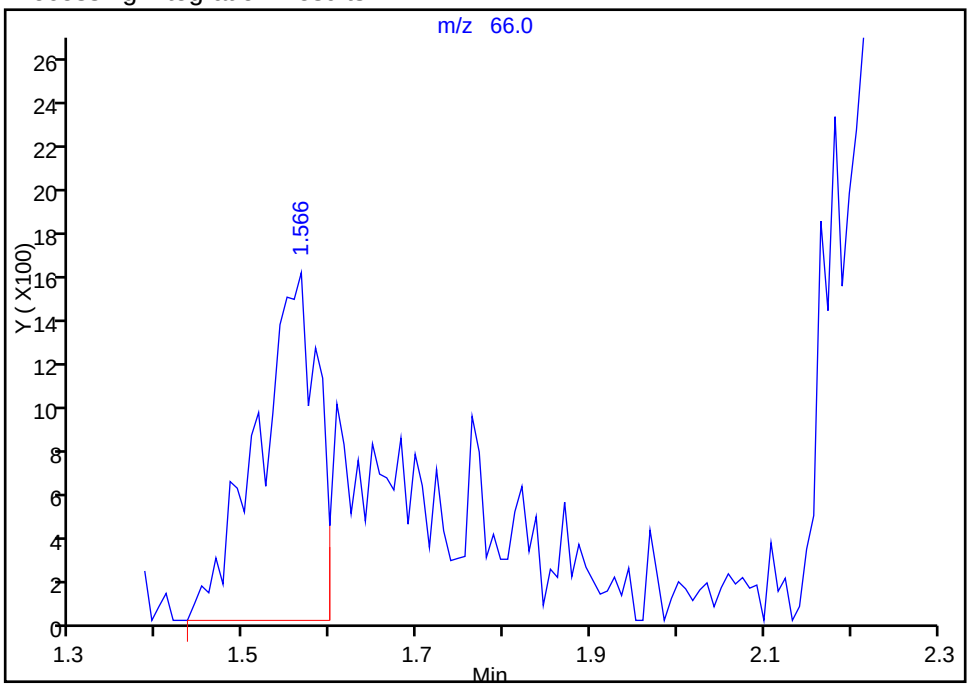
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Injection Date:	18-Apr-2017 12:57:30	Instrument ID:	CVOAMS6		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

1 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

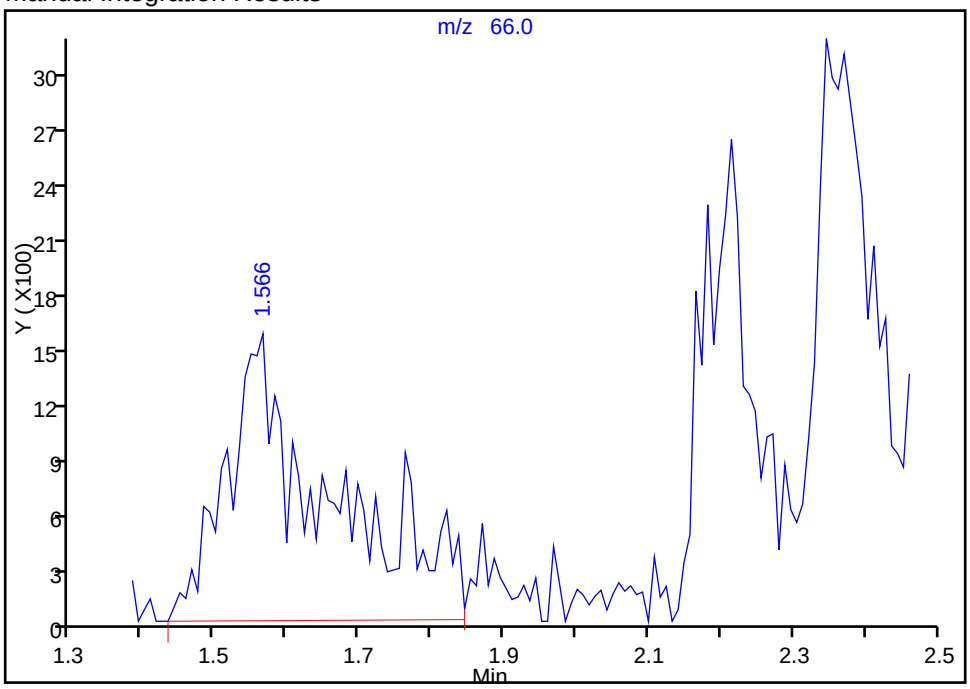
Processing Integration Results

RT: 1.57
Area: 7603
Amount: 9.391544
Amount Units: ug/l



Manual Integration Results

RT: 1.57
Area: 15325
Amount: 18.930082
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 19:03:53

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44753.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	21-Mar-2017 02:26:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0052699-001				
Operator ID:		Instrument ID:	CVOAMS6		
Method:	\\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\8260624W6.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	21-Mar-2017 18:08:05	Calib Date:	21-Mar-2017 11:24:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK027				
First Level Reviewer: starzecm		Date:	21-Mar-2017 18:08:05		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 133 BFB	95	3.538	3.538	0.000	91	48694	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

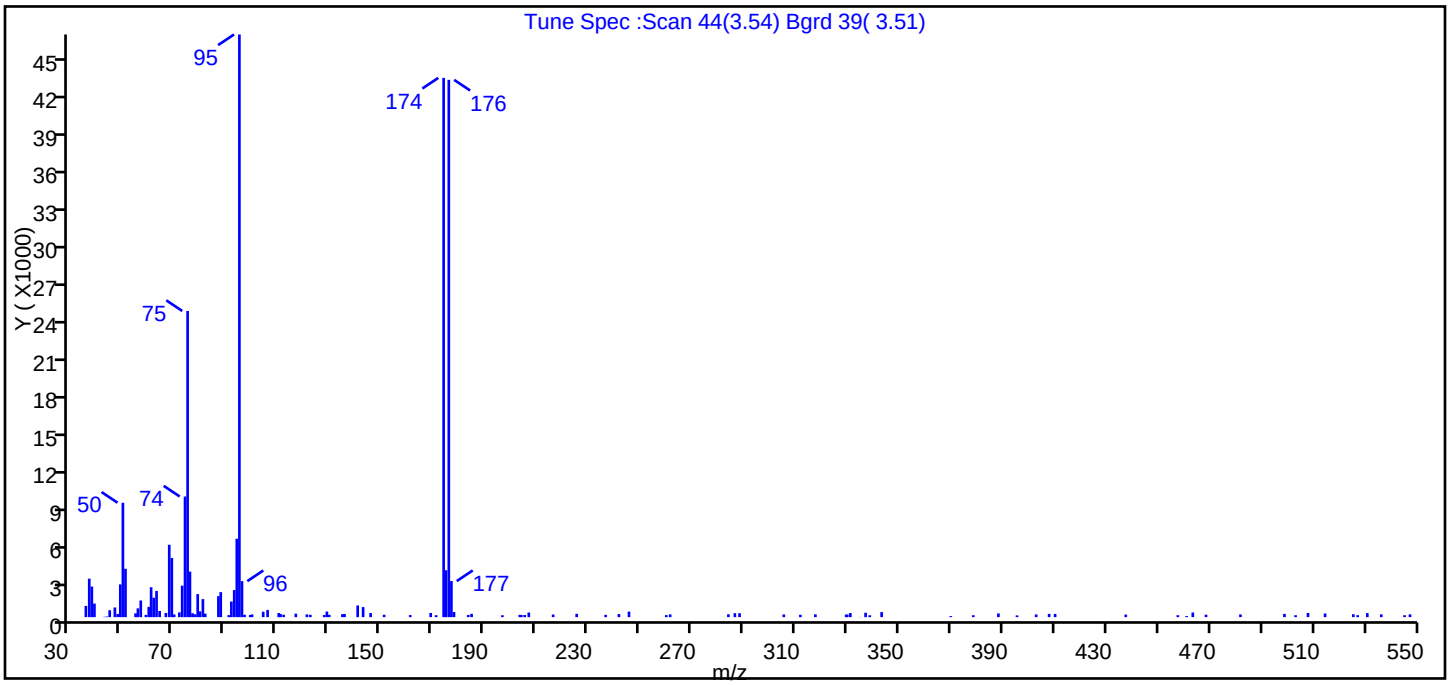
BFB_00013 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44753.D
Injection Date: 21-Mar-2017 02:26:30 Instrument ID: CVOAMS6
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 133 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.6
75	30 to 60% of m/z 95	52.5
96	5 to 9% of m/z 95	6.2
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	92.6
175	5 to 9% of m/z 174	8.1 (8.7)
176	Greater than 95% but less than 101% of m/z 174	92.2 (99.6)
177	5 to 9% of m/z 176	6.2 (6.7)

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44753.D\8260624W6.rslt\spectra.d
Injection Date: 21-Mar-2017 02:26:30
Spectrum: Tune Spec :Scan 44(3.54) Bgrd 39(3.51)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 122

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.80	902	78.00	228	145.80	329	329.90	203
37.10	3087	79.00	1847	151.00	191	331.10	325
38.10	2453	79.90	463	161.10	168	335.00	13
39.10	1089	81.00	1447	169.00	335	337.00	353
43.10	27	81.90	282	171.10	158	338.60	152
44.00	46	87.00	1683	174.00	43248	343.20	406
45.00	555	87.90	2007	174.90	3762	369.90	84
47.00	776	91.00	164	176.00	43088	378.60	156
48.10	254	92.00	1252	177.00	2891	388.30	298
49.10	2627	93.10	2171	178.00	414	395.50	141
50.10	9176	94.10	6287	183.50	173	402.90	218
51.10	3879	95.10	46728	184.80	266	407.90	261
55.00	302	96.10	2888	196.70	153	410.20	259
55.90	704	97.10	196	203.40	183	437.50	207
57.00	1336	99.30	175	204.00	173	457.60	156
59.00	182	100.00	216	205.30	172	461.00	86
60.10	824	104.30	437	206.90	368	463.40	372
61.00	2400	106.00	576	216.30	211	468.50	195
62.00	1558	110.30	330	225.40	267	481.80	218
63.10	2102	111.00	246	236.60	183	498.80	261
64.30	499	112.20	192	241.70	247	503.10	154
66.70	336	116.90	277	245.60	446	507.90	336
68.00	5804	121.20	223	260.00	163	514.50	293
69.00	4747	122.50	188	261.50	222	525.40	234
69.90	213	127.90	174	284.00	228	527.10	157
71.90	378	128.90	448	286.50	316	530.80	320
73.00	2525	129.80	185	288.30	316	536.20	224
74.10	9675	134.90	237	305.40	216	545.20	155
75.10	24552	135.70	254	311.80	187	547.30	224
76.00	3651	140.80	938	317.60	227		
77.00	316	142.90	807	329.50	207		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45828.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Apr-2017 23:51:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0053757-001
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 15-Apr-2017 11:58:17 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: martineze Date: 15-Apr-2017 11:58:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 133 BFB	95	3.544	3.544	0.000	94	30754	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

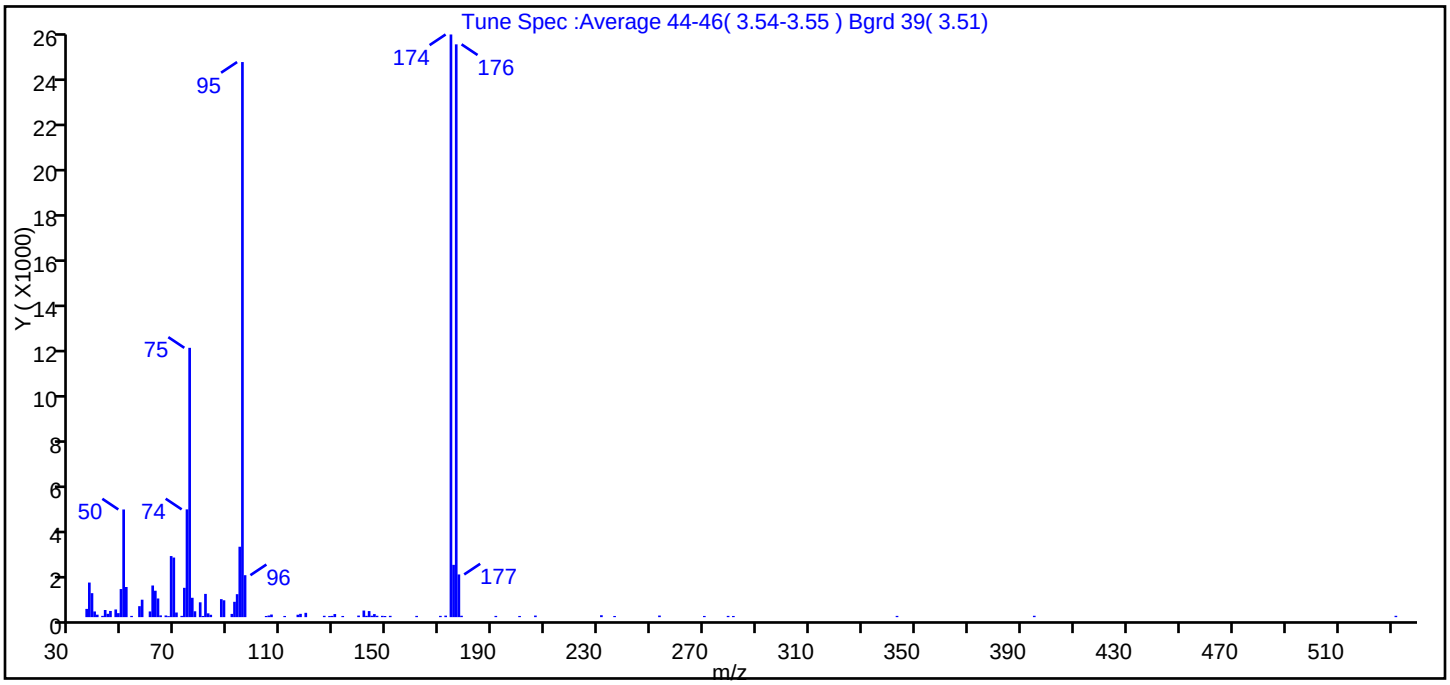
BFB_00014 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45828.D
Injection Date: 14-Apr-2017 23:51:30 Instrument ID: CVOAMS6
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 133 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.4
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	7.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	105.0
175	5 to 9% of m/z 174	9.4 (9.0)
176	Greater than 95% but less than 101% of m/z 174	103.2 (98.3)
177	5 to 9% of m/z 176	7.7 (7.5)

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45828.D\8260624W6.rslt\spectra.d
Injection Date: 14-Apr-2017 23:51:30
Spectrum: Tune Spec :Average 44-46(3.54-3.55) Bgrd 39(3.51)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	361	66.00	73	95.00	24312	149.00	50
37.00	1515	67.00	43	96.00	1837	151.00	58
38.00	1050	68.00	2675	104.00	51	161.00	55
39.00	249	69.00	2610	105.00	70	170.00	56
40.00	108	70.00	203	106.00	114	172.00	66
42.00	56	72.00	56	111.00	52	174.00	25520
43.00	313	73.00	1284	116.00	106	175.00	2290
44.00	146	74.00	4720	117.00	144	176.00	25088
45.00	271	75.00	11796	119.00	189	177.00	1870
47.00	336	76.00	848	126.00	59	178.00	61
48.00	175	77.00	257	128.00	51	191.00	55
49.00	1230	79.00	650	129.00	55	200.00	52
50.00	4716	80.00	52	130.00	136	206.00	69
51.00	1320	81.00	1018	133.00	52	231.00	84
53.00	55	82.00	166	139.00	68	236.00	51
56.00	481	83.00	103	141.00	289	253.00	70
57.00	764	87.00	788	142.00	57	270.00	52
60.00	250	88.00	738	143.00	266	279.00	55
61.00	1386	91.00	142	144.00	61	281.00	51
62.00	1157	92.00	672	145.00	134	343.00	55
63.00	818	93.00	1006	146.00	60	395.00	60
64.00	77	94.00	3084	148.00	57	532.00	59

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45940.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Apr-2017 20:08:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0053865-001
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 18-Apr-2017 12:14:11 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: tupayachia Date: 17-Apr-2017 20:13:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 133 BFB	95	3.532	3.532	0.000	0	35754	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

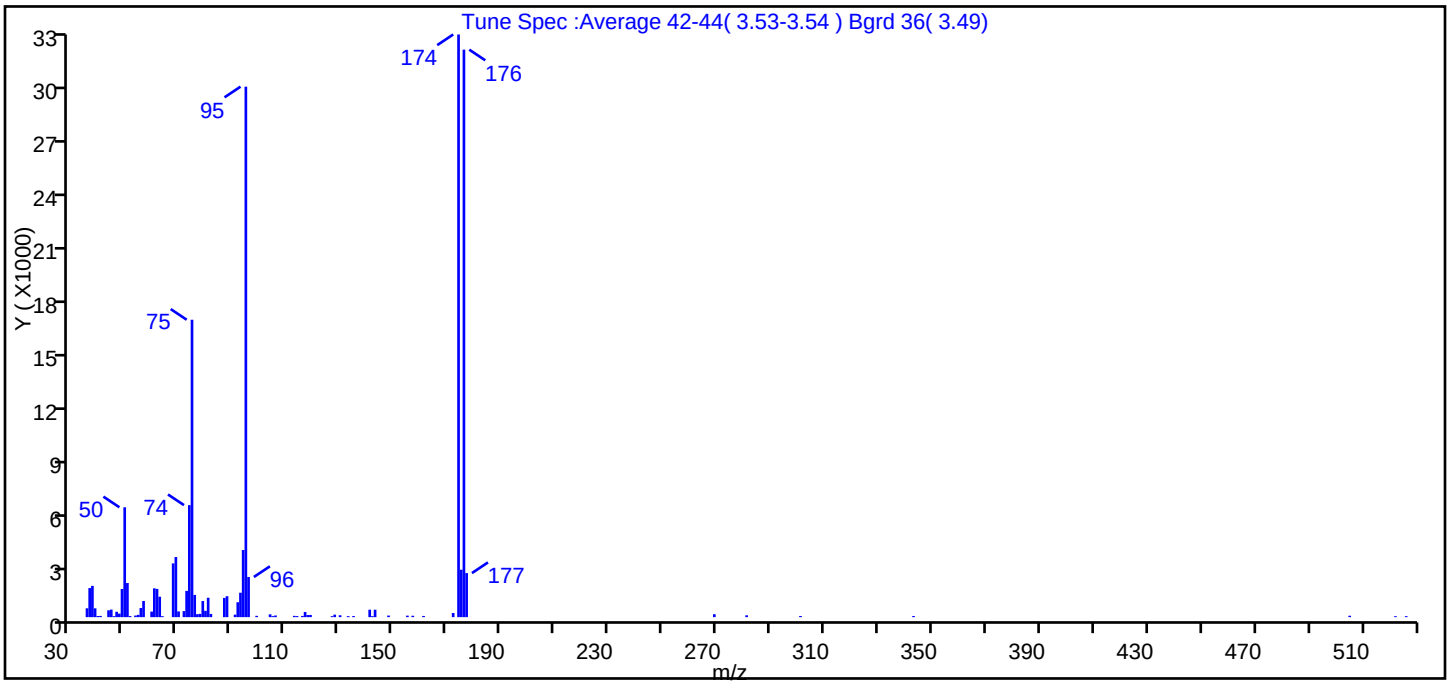
BFB_00014 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45940.D
Injection Date: 17-Apr-2017 20:08:30 Instrument ID: CVOAMS6
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 133 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.7
75	30 to 60% of m/z 95	56.1
96	5 to 9% of m/z 95	7.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	109.8
175	5 to 9% of m/z 174	8.9 (8.1)
176	Greater than 95% but less than 101% of m/z 174	107.0 (97.4)
177	5 to 9% of m/z 176	8.3 (7.8)

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45940.D\8260624W6.rslt\spectra.d
Injection Date: 17-Apr-2017 20:08:30
Spectrum: Tune Spec :Average 42-44(3.53-3.54) Bgrd 36(3.49)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 80

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	489	61.00	1594	91.00	139	135.00	60
37.00	1609	62.00	1563	92.00	825	141.00	411
38.00	1731	63.00	1129	93.00	1351	142.00	54
39.00	487	64.00	53	94.00	3714	143.00	411
40.00	62	68.00	2974	95.00	29352	148.00	88
41.00	68	69.00	3326	96.00	2222	155.00	83
44.00	378	70.00	316	99.00	73	157.00	77
45.00	418	72.00	334	104.00	155	161.00	66
46.00	55	73.00	1454	105.00	55	172.00	229
47.00	298	74.00	6197	106.00	92	174.00	32240
48.00	194	75.00	16456	113.00	71	175.00	2624
49.00	1558	76.00	1230	114.00	58	176.00	31400
50.00	6079	77.00	165	116.00	67	177.00	2438
51.00	1889	78.00	180	117.00	285	269.00	162
52.00	59	79.00	890	118.00	117	281.00	102
54.00	88	80.00	349	119.00	121	301.00	63
55.00	126	81.00	1073	127.00	52	343.00	62
56.00	505	82.00	178	128.00	137	505.00	78
57.00	895	87.00	1064	130.00	104	522.00	53
60.00	306	88.00	1159	133.00	55	526.00	55

TestAmerica Edison
Target Compound Quantitation Report

Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45958.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	18-Apr-2017 12:13:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0053910-001				
Operator ID:		Instrument ID:	CVOAMS6		
Method:	\\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\8260624W6.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	18-Apr-2017 13:48:41	Calib Date:	18-Apr-2017 00:10:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK031				
First Level Reviewer: moroneyc		Date:	18-Apr-2017 12:20:24		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 133 BFB	95	3.526	3.526	0.000	0	24746	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

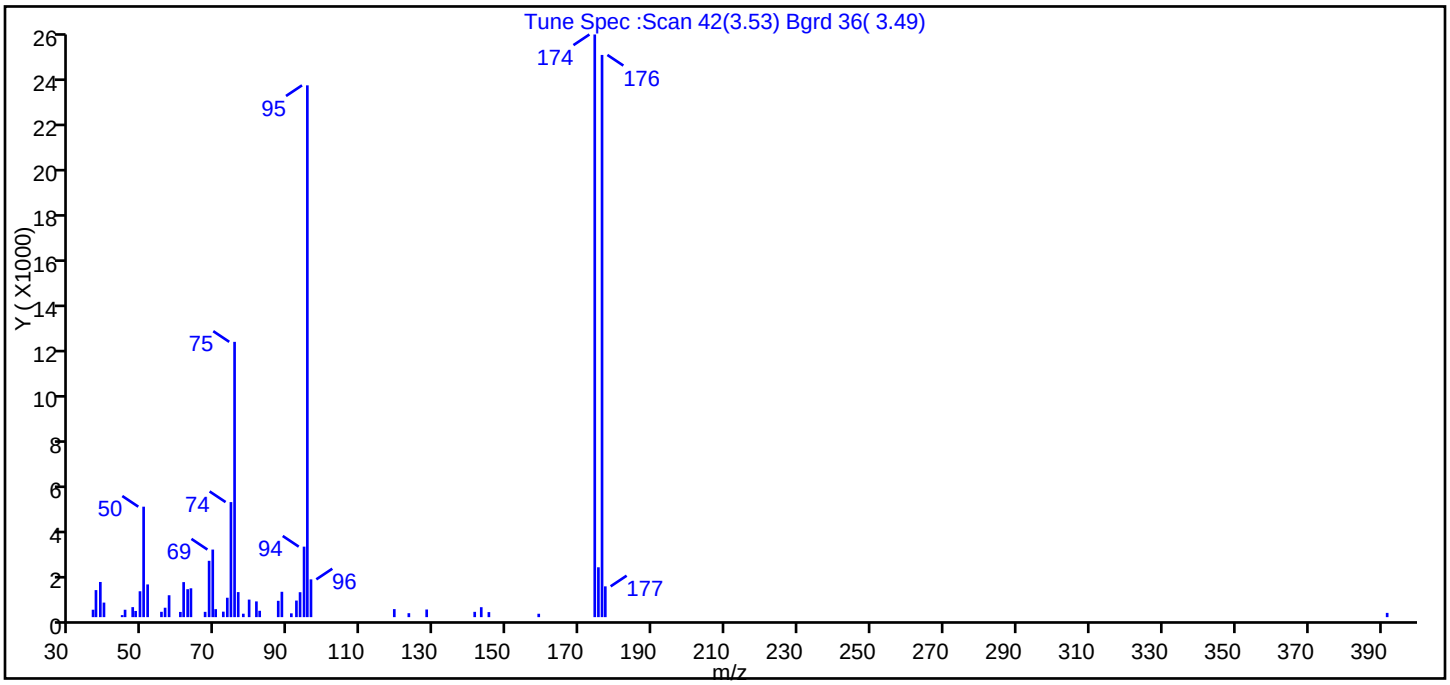
BFB_00014 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45958.D
Injection Date: 18-Apr-2017 12:13:30 Instrument ID: CVOAMS6
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 133 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.8
75	30 to 60% of m/z 95	51.8
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	109.6
175	5 to 9% of m/z 174	9.4 (8.6)
176	Greater than 95% but less than 101% of m/z 174	105.7 (96.5)
177	5 to 9% of m/z 176	5.8 (5.5)

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45958.D\8260624W6.rslt\spectra.d
Injection Date: 18-Apr-2017 12:13:30
Spectrum: Tune Spec :Scan 42(3.53) Bgrd 36(3.49)
Base Peak: 174.00
Minimum % Base Peak: 0
Number of Points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	328	57.00	968	76.00	1107	118.90	355
36.90	1195	60.10	230	77.40	152	122.90	175
38.10	1554	61.00	1548	79.00	776	127.80	338
39.10	643	62.10	1235	81.00	696	141.00	234
44.10	89	63.00	1275	81.90	281	142.80	440
44.90	327	66.90	234	87.00	722	144.90	223
47.00	442	68.00	2490	88.00	1121	158.60	150
47.80	273	69.00	2987	90.60	168	174.00	25752
49.00	1144	69.80	353	92.00	733	175.00	2204
50.00	4882	71.90	243	93.00	1102	176.00	24848
51.10	1446	73.00	858	94.10	3116	176.90	1361
54.90	236	74.00	5085	95.00	23504	391.80	188
55.90	416	75.00	12167	96.00	1670		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-430489/7

Matrix: Water | Lab File ID: F45834.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 02:51

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone (MEK)	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
124-48-1	Chlorodibromomethane	0.22	U	1.0	0.22
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
75-27-4	Dichlorobromomethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-430489/7

Matrix: Water | Lab File ID: F45834.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 02:51

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
79-20-9	Methyl acetate	0.58	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	0.28	U	1.0	0.28
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		74-132
460-00-4	4-Bromofluorobenzene	100		77-124
1868-53-7	Dibromofluoromethane (Surr)	104		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-430489/7

Matrix: Water | Lab File ID: F45834.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 02:51

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.: 430489 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45834.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 15-Apr-2017 02:51:30 ALS Bottle#: 2 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0053757-007
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 15-Apr-2017 12:05:51 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK012

First Level Reviewer: martineze Date: 15-Apr-2017 12:05:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	46	3.234	3.234	0.000	95	45020	1000.0	1000.0	
* 38 2-Butanone-d5	46	4.294	4.302	-0.008	78	101887	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.771	4.770	0.000	97	110704	50.0	51.8	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	97	133326	50.0	48.2	
* 61 Fluorobenzene	96	5.395	5.395	0.000	99	356147	50.0	50.0	
* 67 1,4-Dioxane-d8	96	6.093	6.110	-0.017	97	16313	1000.0	1000.0	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	411244	50.0	46.9	
* 89 Chlorobenzene-d5	117	8.863	8.863	0.001	85	321722	50.0	50.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	95	187792	50.0	50.2	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	94	235218	50.0	50.0	

Reagents:

8260ISNEW_00102 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00154 Amount Added: 1.00 Units: uL Run Reagent

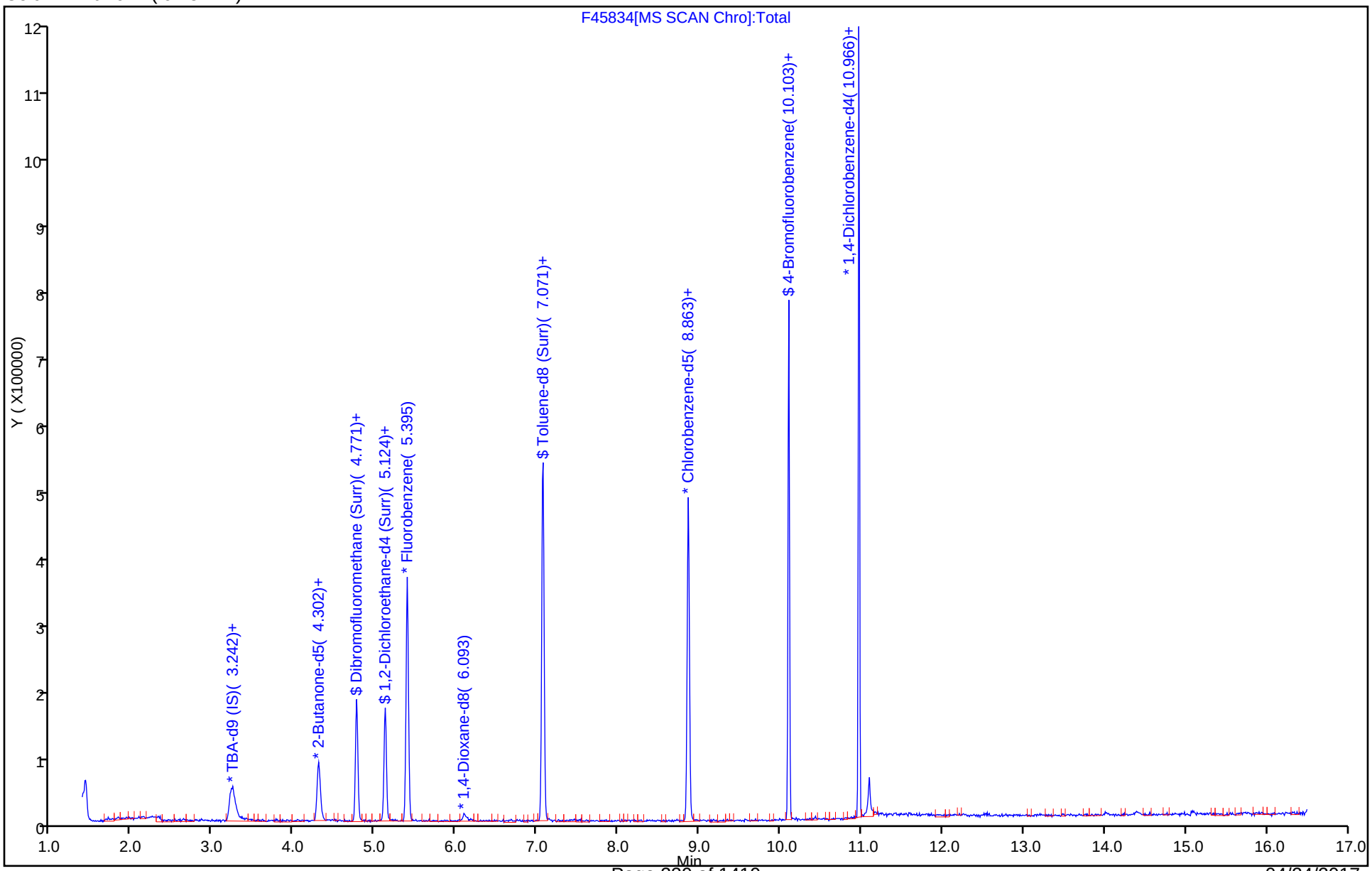
Report Date: 15-Apr-2017 12:05:52 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45834.D

Injection Date:	15-Apr-2017 02:51:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-431214/8

Matrix: Water | Lab File ID: F45965.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/18/2017 14:52

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.: 431214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.28	U	1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	0.19	U	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	1.0	0.34
79-00-5	1,1,2-Trichloroethane	0.080	U	1.0	0.080
75-34-3	1,1-Dichloroethane	0.24	U	1.0	0.24
75-35-4	1,1-Dichloroethene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.35	U	1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	0.27	U	1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	0.23	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	0.22	U	1.0	0.22
107-06-2	1,2-Dichloroethane	0.25	U	1.0	0.25
78-87-5	1,2-Dichloropropane	0.18	U	1.0	0.18
541-73-1	1,3-Dichlorobenzene	0.33	U	1.0	0.33
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	8.7	U	50	8.7
78-93-3	2-Butanone (MEK)	2.2	U	5.0	2.2
591-78-6	2-Hexanone	0.72	U	5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	0.63	U	5.0	0.63
67-64-1	Acetone	1.1	U	5.0	1.1
71-43-2	Benzene	0.090	U	1.0	0.090
75-25-2	Bromoform	0.18	U	1.0	0.18
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-15-0	Carbon disulfide	0.22	U	1.0	0.22
56-23-5	Carbon tetrachloride	0.33	U	1.0	0.33
108-90-7	Chlorobenzene	0.24	U	1.0	0.24
74-97-5	Chlorobromomethane	0.30	U	1.0	0.30
124-48-1	Chlorodibromomethane	0.22	U	1.0	0.22
75-00-3	Chloroethane	0.37	U	1.0	0.37
67-66-3	Chloroform	0.22	U	1.0	0.22
74-87-3	Chloromethane	0.22	U	1.0	0.22
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1.0	0.16
110-82-7	Cyclohexane	0.26	U	1.0	0.26
75-27-4	Dichlorobromomethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.14	U	1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-431214/8

Matrix: Water | Lab File ID: F45965.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/18/2017 14:52

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.: 431214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.30	U	1.0	0.30
106-93-4	Ethylene Dibromide	0.19	U	1.0	0.19
98-82-8	Isopropylbenzene	0.32	U	1.0	0.32
79-20-9	Methyl acetate	0.58	U	5.0	0.58
1634-04-4	Methyl tert-butyl ether	0.13	U	1.0	0.13
108-87-2	Methylcyclohexane	0.22	U	1.0	0.22
75-09-2	Methylene Chloride	0.21	U	1.0	0.21
179601-23-1	m-Xylene & p-Xylene	0.28	U	1.0	0.28
95-47-6	o-Xylene	0.32	U	1.0	0.32
100-42-5	Styrene	0.17	U	1.0	0.17
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.25	U	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	0.18	U	1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	0.19	U	1.0	0.19
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-01-4	Vinyl chloride	0.060	U	1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
460-00-4	4-Bromofluorobenzene	101		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	98		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-431214/8

Matrix: Water Lab File ID: F45965.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/18/2017 14:52

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.: 431214 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45965.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 18-Apr-2017 14:52:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0053910-008
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 19:30:12 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: moroneyc Date: 19-Apr-2017 11:30:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 26 TBA-d9 (IS)	65	3.234	3.234	0.000	97	144210	1000.0	1000.0	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	78	100379	250.0	250.0	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	98	148376	50.0	50.8	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	98	165879	50.0	47.7	
* 61 Fluorobenzene	96	5.395	5.395	0.000	99	442367	50.0	50.0	
* 67 1,4-Dioxane-d8	96	6.101	6.102	-0.001	97	14982	1000.0	1000.0	M
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	100	541466	50.0	49.1	
* 89 Chlorobenzene-d5	117	8.862	8.862	0.000	85	401854	50.0	50.0	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	95	244977	50.0	50.3	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.974	-0.008	95	280667	50.0	50.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8260ISNEW_00102 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00154 Amount Added: 1.00 Units: uL Run Reagent

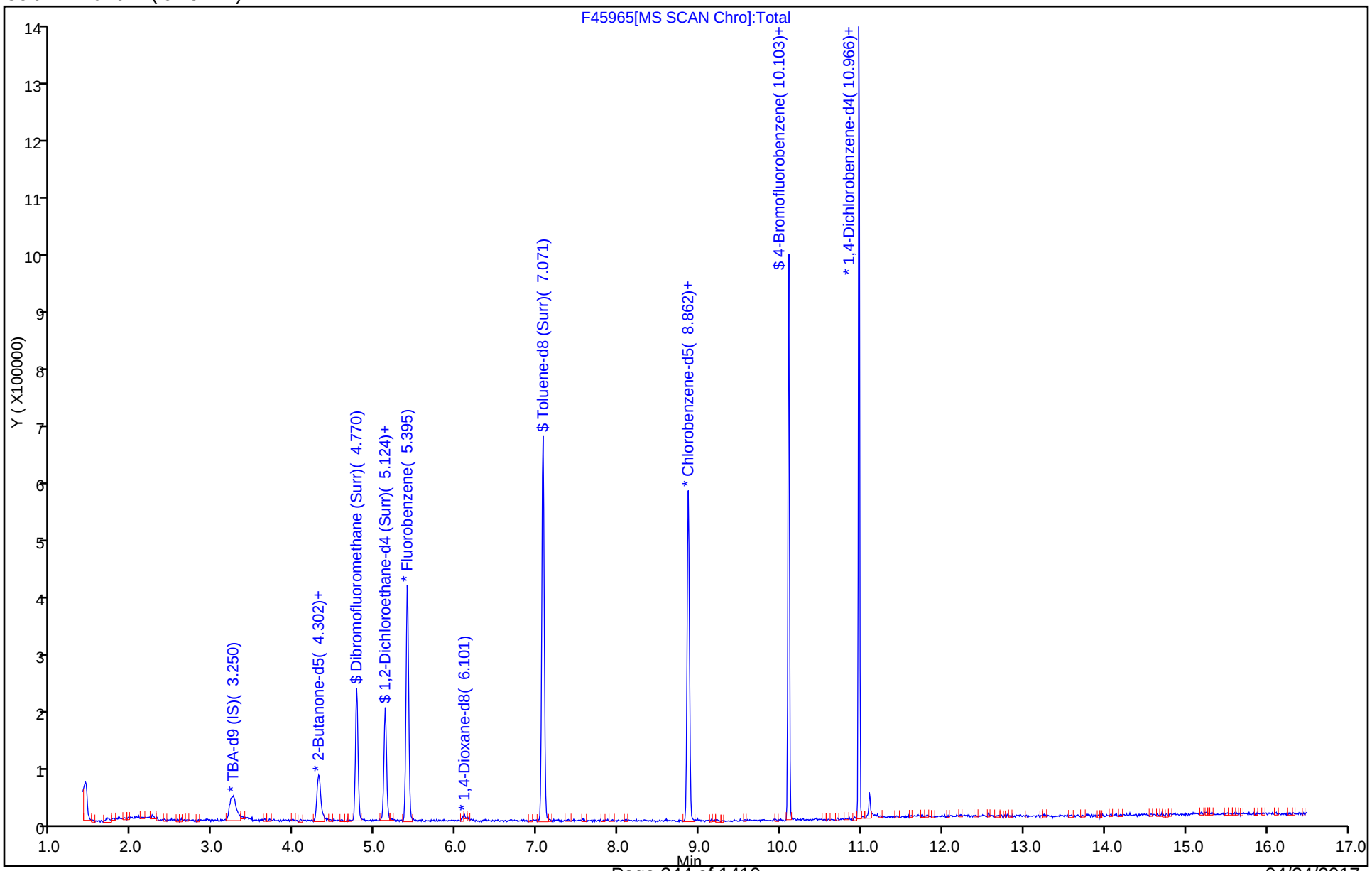
Report Date: 22-Apr-2017 19:30:59 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45965.D

Injection Date:	18-Apr-2017 14:52:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

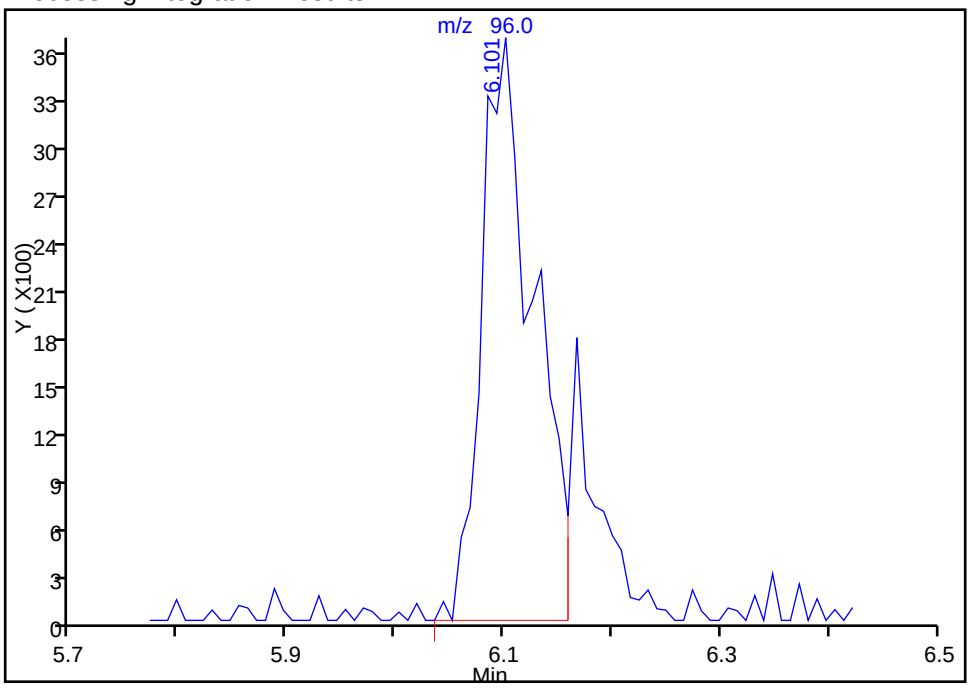
Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45965.D
Injection Date: 18-Apr-2017 14:52:30 Instrument ID: CVOAMS6
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 67 1,4-Dioxane-d8, CAS: 17647-74-4

Signal: 1

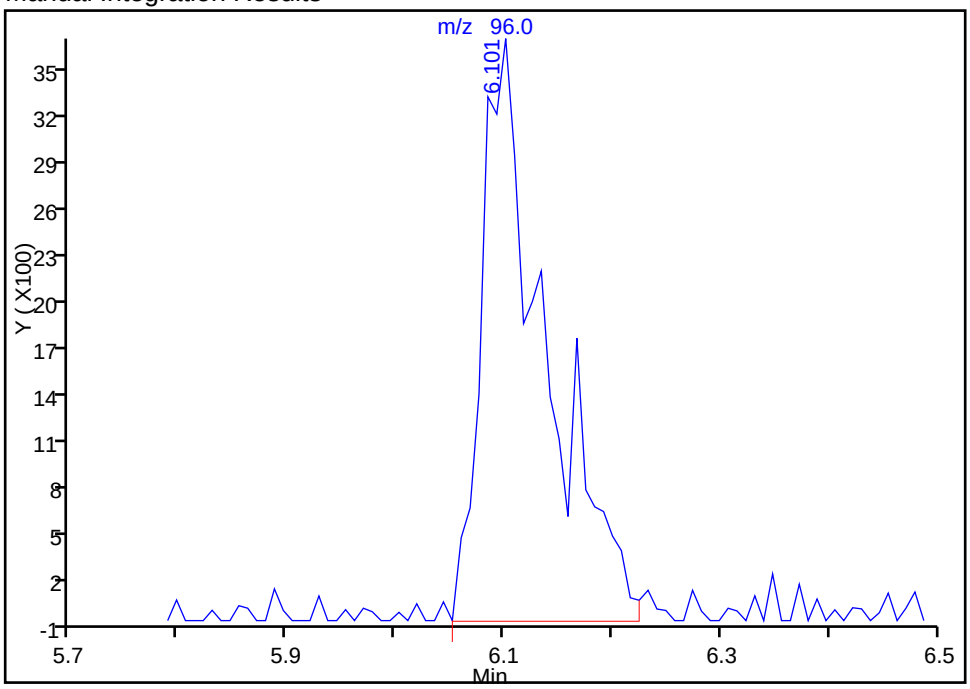
Processing Integration Results

RT: 6.10
Area: 12407
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 6.10
Area: 14982
Amount: 1000.0000
Amount Units: ug/l



Reviewer: baronm, 22-Apr-2017 19:08:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-430489/4

Matrix: Water | Lab File ID: F45831.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 01:42

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.0		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	18.1		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13.1		1.0	0.34
79-00-5	1,1,2-Trichloroethane	19.8		1.0	0.080
75-34-3	1,1-Dichloroethane	20.2		1.0	0.24
75-35-4	1,1-Dichloroethene	20.0		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	20.5		1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	21.1		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.0	0.23
95-50-1	1,2-Dichlorobenzene	21.5		1.0	0.22
107-06-2	1,2-Dichloroethane	20.4		1.0	0.25
78-87-5	1,2-Dichloropropane	17.9		1.0	0.18
541-73-1	1,3-Dichlorobenzene	21.3		1.0	0.33
106-46-7	1,4-Dichlorobenzene	21.0		1.0	0.33
123-91-1	1,4-Dioxane	485		50	8.7
78-93-3	2-Butanone (MEK)	112		5.0	2.2
591-78-6	2-Hexanone	95.4		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	94.9		5.0	0.63
67-64-1	Acetone	102		5.0	1.1
71-43-2	Benzene	20.0		1.0	0.090
75-25-2	Bromoform	20.3		1.0	0.18
74-83-9	Bromomethane	20.4		1.0	0.18
75-15-0	Carbon disulfide	16.4		1.0	0.22
56-23-5	Carbon tetrachloride	21.0		1.0	0.33
108-90-7	Chlorobenzene	21.0		1.0	0.24
74-97-5	Chlorobromomethane	23.2		1.0	0.30
124-48-1	Chlorodibromomethane	20.6		1.0	0.22
75-00-3	Chloroethane	19.5		1.0	0.37
67-66-3	Chloroform	21.5		1.0	0.22
74-87-3	Chloromethane	21.0		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	21.8		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	18.2		1.0	0.16
110-82-7	Cyclohexane	17.0		1.0	0.26
75-27-4	Dichlorobromomethane	19.9		1.0	0.15
75-71-8	Dichlorodifluoromethane	18.1		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-430489/4

Matrix: Water | Lab File ID: F45831.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 01:42

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	21.1		1.0	0.30
106-93-4	Ethylene Dibromide	21.7		1.0	0.19
98-82-8	Isopropylbenzene	20.7		1.0	0.32
79-20-9	Methyl acetate	103		5.0	0.58
1634-04-4	Methyl tert-butyl ether	16.3		1.0	0.13
108-87-2	Methylcyclohexane	21.0		1.0	0.22
75-09-2	Methylene Chloride	18.7		1.0	0.21
179601-23-1	m-Xylene & p-Xylene	20.9		1.0	0.28
95-47-6	o-Xylene	20.2		1.0	0.32
100-42-5	Styrene	21.3		1.0	0.17
127-18-4	Tetrachloroethene	23.2		1.0	0.12
108-88-3	Toluene	20.3		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	22.5		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	18.9		1.0	0.19
79-01-6	Trichloroethene	22.2		1.0	0.22
75-69-4	Trichlorofluoromethane	18.3		1.0	0.15
75-01-4	Vinyl chloride	17.3		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
460-00-4	4-Bromofluorobenzene	101		77-124
1868-53-7	Dibromofluoromethane (Surr)	101		72-131
2037-26-5	Toluene-d8 (Surr)	91		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45831.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 15-Apr-2017 01:42:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0053757-004
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Apr-2017 16:00:53 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: martineze Date: 15-Apr-2017 12:05:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.550	1.517	0.033	57	14489	20.0	20.3	M
2 Dichlorodifluoromethane	85	1.574	1.574	0.000	66	79734	20.0	18.1	
3 Chloromethane	50	1.739	1.738	0.000	99	101047	20.0	21.0	
4 Vinyl chloride	62	1.821	1.812	0.009	97	83897	20.0	17.3	
5 Butadiene	54	1.845	1.837	0.008	94	60624	20.0	16.9	
6 Bromomethane	94	2.108	2.116	-0.008	97	61045	20.0	20.4	
7 Chloroethane	64	2.182	2.182	0.000	48	49687	20.0	19.5	
9 Trichlorofluoromethane	101	2.355	2.355	0.000	96	89475	20.0	18.3	
8 Dichlorofluoromethane	67	2.355	2.363	-0.008	90	85378	20.0	14.0	
10 Pentane	72	2.396	2.388	0.008	94	16004	40.0	33.1	
12 Ethyl ether	59	2.585	2.585	0.000	94	39499	20.0	19.0	
13 2-Methyl-1,3-butadiene	53	2.601	2.609	-0.008	97	44251	20.0	17.7	
11 Ethanol	46	2.659	2.618	0.041	1	12649	800.0	1157.5	
14 1,2-Dichloro-1,1,2-trifluo	117	2.634	2.626	0.008	95	43259	20.0	18.9	
15 Acrolein	56	2.749	2.766	-0.017	75	10796	40.0	36.8	
16 1,1,2-Trichloro-1,2,2-trif	101	2.774	2.782	-0.008	78	38298	20.0	13.1	
17 1,1-Dichloroethene	96	2.790	2.790	0.000	99	51438	20.0	20.0	
18 Acetone	43	2.881	2.889	-0.008	85	62656	100.0	102.0	
19 Iodomethane	142	2.946	2.946	0.000	98	90586	20.0	18.0	
21 Carbon disulfide	76	2.987	2.979	0.008	99	162325	20.0	16.4	
20 Isopropyl alcohol	45	2.971	2.987	-0.016	37	22880	200.0	157.4	
22 3-Chloro-1-propene	41	3.111	3.111	0.000	93	101689	20.0	16.5	
24 Methyl acetate	43	3.119	3.119	0.000	98	156379	100.0	103.4	
23 Cyclopentene	67	3.127	3.127	0.000	93	132904	20.0	20.7	
25 Acetonitrile	41	3.176	3.185	-0.009	95	79497	200.0	234.3	
27 Methylene Chloride	84	3.234	3.234	0.000	91	57829	20.0	18.7	
* 26 TBA-d9 (IS)	46	3.234	3.234	0.000	96	45757	1000.0	1000.0	
28 2-Methyl-2-propanol	59	3.283	3.300	-0.017	33	50641	200.0	232.4	
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	96	126715	20.0	16.3	
30 trans-1,2-Dichloroethene	96	3.423	3.423	0.000	94	64642	20.0	22.5	
31 Acrylonitrile	53	3.497	3.497	0.000	94	159467	200.0	205.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.571	3.571	0.000	91	45348	20.0	16.7	
33 Isopropyl ether	45	3.785	3.784	0.001	92	163054	20.0	16.7	
34 1,1-Dichloroethane	63	3.817	3.817	0.000	98	102937	20.0	20.2	
35 Vinyl acetate	86	3.826	3.826	0.000	95	20710	40.0	49.6	
36 2-Chloro-1,3-butadiene	88	3.858	3.867	-0.009	93	54719	20.0	23.5	
37 Tert-butyl ethyl ether	59	4.097	4.097	0.000	89	148292	20.0	17.1	
* 38 2-Butanone-d5	46	4.294	4.302	-0.008	90	105654	250.0	250.0	
39 2,2-Dichloropropane	97	4.319	4.319	0.000	95	19500	20.0	18.4	
40 cis-1,2-Dichloroethene	96	4.335	4.335	0.000	98	69280	20.0	21.8	
42 Ethyl acetate	70	4.343	4.343	0.000	94	9831	40.0	42.9	
41 2-Butanone (MEK)	72	4.351	4.351	0.000	96	25636	100.0	111.5	
43 Methyl acrylate	55	4.401	4.409	-0.008	98	35062	20.0	19.1	
44 Propionitrile	54	4.483	4.491	-0.008	96	63386	200.0	224.5	
46 Tetrahydrofuran	72	4.557	4.565	-0.008	62	12493	40.0	48.4	
45 Chlorobromomethane	128	4.565	4.565	0.000	78	35733	20.0	23.2	
47 Methacrylonitrile	67	4.590	4.590	0.000	91	190143	200.0	228.4	
48 Chloroform	83	4.606	4.614	-0.008	98	106236	20.0	21.5	
49 Cyclohexane	84	4.746	4.746	0.000	92	76595	20.0	17.0	
50 1,1,1-Trichloroethane	97	4.762	4.762	0.000	97	92713	20.0	19.0	
$ 51 Dibromofluoromethane (Surr	113	4.771	4.770	0.001	97	113916	50.0	50.7	
52 Carbon tetrachloride	117	4.877	4.886	-0.009	96	87442	20.0	21.0	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	96	77687	20.0	20.3	
54 Isobutyl alcohol	43	5.017	5.033	-0.016	88	73072	500.0	700.9	
55 Benzene	78	5.107	5.107	0.000	96	223726	20.0	20.0	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	97	138449	50.0	47.5	
57 Isopropyl acetate	43	5.165	5.165	0.000	94	143073	20.0	18.8	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	94	163228	20.0	19.5	
59 1,2-Dichloroethane	62	5.198	5.198	0.000	97	79140	20.0	20.4	
60 n-Heptane	57	5.255	5.255	0.000	91	41472	20.0	18.6	
* 61 Fluorobenzene	96	5.395	5.395	0.000	99	374636	50.0	50.0	
62 n-Butanol	56	5.691	5.699	-0.008	95	28921	500.0	468.4	
63 Trichloroethene	95	5.740	5.748	-0.008	96	61453	20.0	22.2	
65 Ethyl acrylate	55	5.872	5.872	0.000	95	132920	20.0	19.4	
64 Methylcyclohexane	83	5.880	5.880	0.000	88	106660	20.0	21.0	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	87	53242	20.0	17.9	
* 67 1,4-Dioxane-d8	96	6.093	6.110	-0.017	38	18380	1000.0	1000.0	
68 Methyl methacrylate	100	6.110	6.110	0.000	87	27992	40.0	47.0	
69 1,4-Dioxane	88	6.151	6.151	0.000	25	11526	400.0	484.8	
70 n-Propyl acetate	43	6.167	6.167	0.000	99	59922	20.0	18.3	
71 Dibromomethane	93	6.167	6.176	-0.009	75	35617	20.0	21.9	
72 Dichlorobromomethane	83	6.315	6.315	0.000	98	75280	20.0	19.9	
73 2-Nitropropane	41	6.660	6.660	0.000	81	25042	40.0	33.3	
74 2-Chloroethyl vinyl ether	63	6.652	6.660	-0.008	73	28450	20.0	18.0	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	86715	400.0	376.6	
76 cis-1,3-Dichloropropene	75	6.817	6.817	0.001	93	86262	20.0	18.2	
77 4-Methyl-2-pentanone (MIBK	43	6.989	6.989	0.000	96	226767	100.0	94.9	
$ 78 Toluene-d8 (Surr)	98	7.063	7.071	-0.008	99	423153	50.0	45.7	
79 Toluene	91	7.145	7.145	0.000	95	237443	20.0	20.3	
80 trans-1,3-Dichloropropene	75	7.490	7.490	0.000	98	80596	20.0	18.9	
81 Ethyl methacrylate	69	7.523	7.523	0.000	89	63711	20.0	18.8	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	93	40531	20.0	19.8	
83 Tetrachloroethene	166	7.753	7.753	0.000	95	76189	20.0	23.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	7.926	7.926	0.000	94	79329	20.0	19.9	
85 2-Hexanone	43	7.983	7.992	-0.009	95	148685	100.0	95.4	
86 n-Butyl acetate	43	8.098	8.098	0.000	98	73458	20.0	17.7	
87 Chlorodibromomethane	129	8.156	8.156	0.000	96	61459	20.0	20.6	
88 Ethylene Dibromide	107	8.312	8.312	0.000	100	50236	20.0	21.7	
* 89 Chlorobenzene-d5	117	8.863	8.863	0.001	85	340182	50.0	50.0	
90 Chlorobenzene	112	8.895	8.904	-0.009	95	177746	20.0	21.0	
91 Ethylbenzene	106	9.002	9.002	0.000	98	101028	20.0	21.1	
92 1,1,1,2-Tetrachloroethane	131	9.019	9.019	0.000	93	69837	20.0	19.7	
93 m-Xylene & p-Xylene	106	9.150	9.158	-0.008	95	126153	20.0	20.9	
94 n-Butyl acrylate	73	9.569	9.577	-0.008	98	46432	20.0	19.8	
95 o-Xylene	106	9.586	9.586	0.000	94	128675	20.0	20.2	
96 Styrene	104	9.619	9.618	0.001	96	215539	20.0	21.3	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	91	116758	20.0	18.0	
98 Bromoform	173	9.816	9.816	0.000	97	49033	20.0	20.3	
99 Isopropylbenzene	105	9.923	9.931	-0.008	96	341127	20.0	20.7	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	200641	50.0	50.7	
101 Bromobenzene	156	10.218	10.218	0.000	90	101888	20.0	21.6	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	97	69389	20.0	18.1	
103 N-Propylbenzene	91	10.276	10.276	0.000	99	404426	20.0	20.4	
104 1,2,3-Trichloropropane	110	10.292	10.292	0.000	96	25526	20.0	22.3	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	90	20066	20.0	17.3	
106 2-Chlorotoluene	91	10.366	10.366	0.000	98	275940	20.0	20.4	
107 4-Ethyltoluene	105	10.366	10.374	-0.008	98	346067	20.0	22.6	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	94	298067	20.0	19.5	
109 4-Chlorotoluene	91	10.457	10.457	0.000	96	257461	20.0	20.9	
110 Butyl Methacrylate	87	10.498	10.506	-0.008	95	98761	20.0	18.3	
111 tert-Butylbenzene	119	10.654	10.654	0.000	94	262327	20.0	21.5	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	97	316291	20.0	19.7	
113 sec-Butylbenzene	105	10.810	10.818	-0.008	98	378089	20.0	19.9	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	97	343664	20.0	19.8	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	75	198864	20.0	21.3	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	93	247097	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.983	10.982	0.001	95	203126	20.0	21.0	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	322246	20.0	20.4	
118 Benzyl chloride	91	11.081	11.081	0.000	99	169732	20.0	20.6	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	95	317952	20.0	20.4	
120 p-Diethylbenzene	119	11.163	11.163	0.000	94	204538	20.0	21.6	
121 n-Butylbenzene	92	11.180	11.180	0.000	98	169234	20.0	19.3	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	97	190032	20.0	21.5	
123 1,2,4,5-Tetramethylbenzene	119	11.640	11.640	0.000	99	324346	20.0	20.7	
124 1,2-Dibromo-3-Chloropropan	75	11.714	11.714	0.000	94	14746	20.0	19.8	
125 1,3,5-Trichlorobenzene	180	11.804	11.804	0.000	96	153175	20.0	21.2	
126 1,2,4-Trichlorobenzene	180	12.207	12.207	0.000	94	148360	20.0	21.1	
127 Hexachlorobutadiene	225	12.273	12.273	0.000	98	72742	20.0	20.2	
128 Naphthalene	128	12.388	12.388	0.000	99	294759	20.0	23.9	
129 1,2,3-Trichlorobenzene	180	12.552	12.552	0.000	95	135868	20.0	20.5	
S 130 1,2-Dichloroethene, Total	100				0		40.0	44.3	
S 131 Xylenes, Total	100				0		40.0	41.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00054	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
GASES Li_00202	Amount Added:	20.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

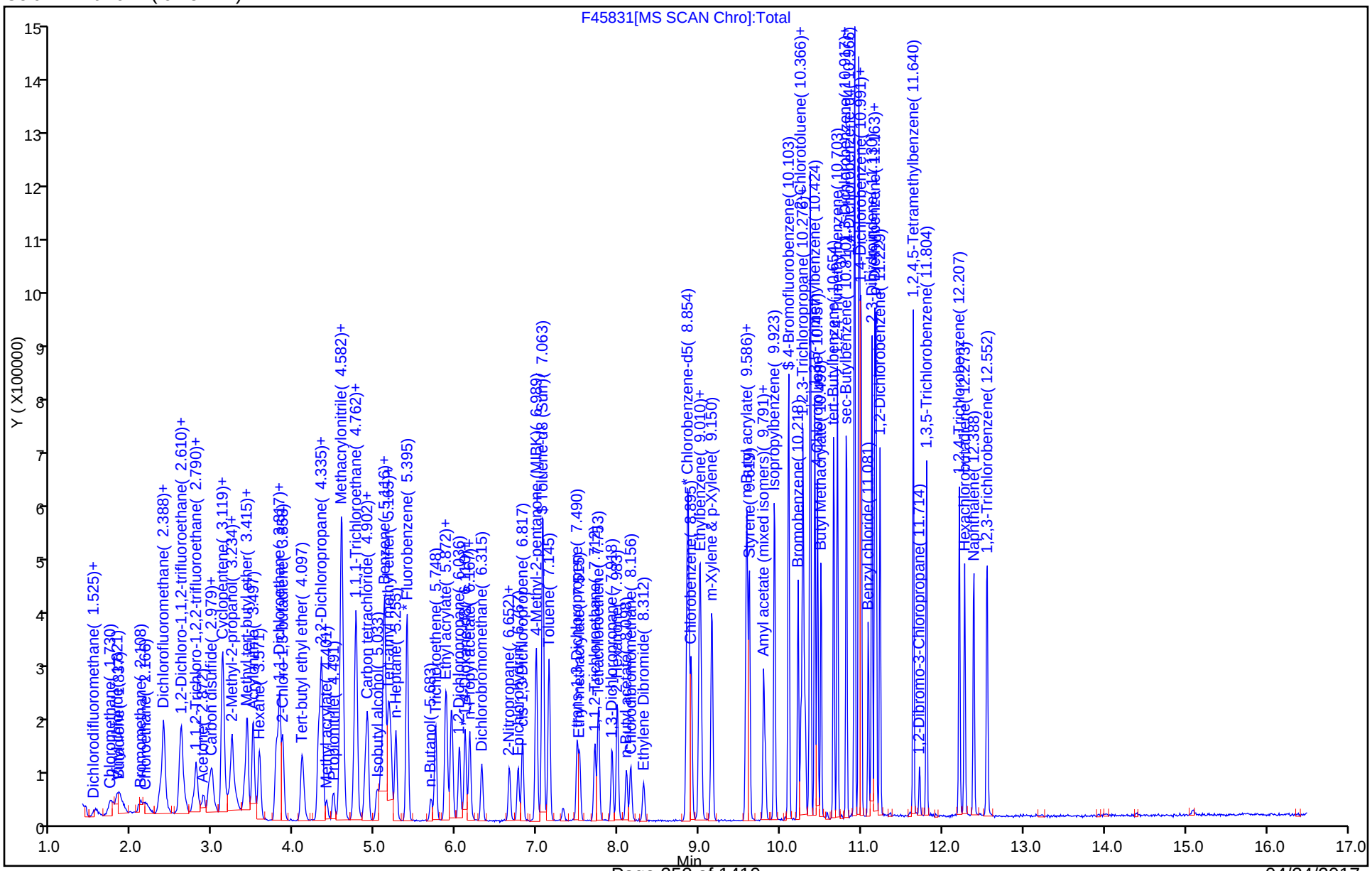
Report Date: 17-Apr-2017 16:00:54 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45831.D

Injection Date:	15-Apr-2017 01:42:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-431214/4

Matrix: Water | Lab File ID: F45961.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/18/2017 13:20

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.: 431214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.3		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	17.7		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.2		1.0	0.34
79-00-5	1,1,2-Trichloroethane	17.9		1.0	0.080
75-34-3	1,1-Dichloroethane	18.8		1.0	0.24
75-35-4	1,1-Dichloroethene	19.4		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	20.0		1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	19.8		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		1.0	0.23
95-50-1	1,2-Dichlorobenzene	19.9		1.0	0.22
107-06-2	1,2-Dichloroethane	18.3		1.0	0.25
78-87-5	1,2-Dichloropropane	18.4		1.0	0.18
541-73-1	1,3-Dichlorobenzene	19.5		1.0	0.33
106-46-7	1,4-Dichlorobenzene	19.1		1.0	0.33
123-91-1	1,4-Dioxane	386		50	8.7
78-93-3	2-Butanone (MEK)	79.4		5.0	2.2
591-78-6	2-Hexanone	88.7		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	92.5		5.0	0.63
67-64-1	Acetone	79.9		5.0	1.1
71-43-2	Benzene	19.1		1.0	0.090
75-25-2	Bromoform	18.0		1.0	0.18
74-83-9	Bromomethane	19.6		1.0	0.18
75-15-0	Carbon disulfide	20.0		1.0	0.22
56-23-5	Carbon tetrachloride	21.3		1.0	0.33
108-90-7	Chlorobenzene	19.2		1.0	0.24
74-97-5	Chlorobromomethane	17.9		1.0	0.30
124-48-1	Chlorodibromomethane	17.5		1.0	0.22
75-00-3	Chloroethane	23.8		1.0	0.37
67-66-3	Chloroform	17.8		1.0	0.22
74-87-3	Chloromethane	19.7		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	18.1		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	17.4		1.0	0.16
110-82-7	Cyclohexane	22.4		1.0	0.26
75-27-4	Dichlorobromomethane	18.6		1.0	0.15
75-71-8	Dichlorodifluoromethane	20.3		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-431214/4

Matrix: Water | Lab File ID: F45961.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/18/2017 13:20

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.: 431214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	19.2		1.0	0.30
106-93-4	Ethylene Dibromide	18.4		1.0	0.19
98-82-8	Isopropylbenzene	21.3		1.0	0.32
79-20-9	Methyl acetate	90.9		5.0	0.58
1634-04-4	Methyl tert-butyl ether	20.2		1.0	0.13
108-87-2	Methylcyclohexane	23.5		1.0	0.22
75-09-2	Methylene Chloride	19.1		1.0	0.21
179601-23-1	m-Xylene & p-Xylene	19.7		1.0	0.28
95-47-6	o-Xylene	19.9		1.0	0.32
100-42-5	Styrene	20.0		1.0	0.17
127-18-4	Tetrachloroethene	20.4		1.0	0.12
108-88-3	Toluene	19.3		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	18.6		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	17.7		1.0	0.19
79-01-6	Trichloroethene	18.7		1.0	0.22
75-69-4	Trichlorofluoromethane	23.7		1.0	0.15
75-01-4	Vinyl chloride	22.6		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
460-00-4	4-Bromofluorobenzene	105		77-124
1868-53-7	Dibromofluoromethane (Surr)	101		72-131
2037-26-5	Toluene-d8 (Surr)	101		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45961.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 18-Apr-2017 13:20:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0053910-004
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 19:30:12 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: moroneyc Date: 18-Apr-2017 13:49:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.566	1.566	0.000	97	102808	20.0	20.3	
1 Chlorotrifluoroethene	66	1.558	1.566	-0.008	45	16119	20.0	21.1	M
3 Chloromethane	50	1.747	1.763	-0.016	96	120166	20.0	19.7	
4 Vinyl chloride	62	1.829	1.845	-0.016	79	107309	20.0	22.6	
5 Butadiene	54	1.845	1.853	-0.008	89	67542	20.0	20.7	
6 Bromomethane	94	2.108	2.116	-0.008	98	82014	20.0	19.6	
7 Chloroethane	64	2.182	2.199	-0.017	81	64659	20.0	23.8	
9 Trichlorofluoromethane	101	2.355	2.363	-0.008	79	121899	20.0	23.7	
8 Dichlorofluoromethane	67	2.371	2.363	0.008	50	110744	20.0	23.1	
10 Pentane	72	2.396	2.404	-0.008	96	20522	40.0	42.0	
11 Ethanol	46	2.634	2.593	0.041	66	9511	800.0	1249.2	
12 Ethyl ether	59	2.585	2.593	-0.008	97	48814	20.0	18.4	
13 2-Methyl-1,3-butadiene	53	2.609	2.618	-0.009	96	56475	20.0	20.6	
14 1,2-Dichloro-1,1,2-trifluo	117	2.634	2.634	0.000	80	51823	20.0	20.9	
15 Acrolein	56	2.766	2.774	-0.008	44	11725	40.0	40.1	
16 1,1,2-Trichloro-1,2,2-trif	101	2.757	2.782	-0.025	88	51541	20.0	21.2	
17 1,1-Dichloroethene	96	2.790	2.798	-0.008	97	61491	20.0	19.4	
18 Acetone	43	2.881	2.889	-0.008	82	79188	100.0	79.9	
19 Iodomethane	142	2.955	2.955	0.000	96	123388	20.0	19.6	
21 Carbon disulfide	76	2.979	2.987	-0.008	100	201288	20.0	20.0	
20 Isopropyl alcohol	45	2.987	2.987	0.000	31	24481	200.0	179.3	
22 3-Chloro-1-propene	41	3.111	3.119	-0.008	97	126449	20.0	20.2	
24 Methyl acetate	43	3.119	3.127	-0.008	98	185589	100.0	90.9	
23 Cyclopentene	67	3.127	3.135	-0.008	94	168392	20.0	21.2	
25 Acetonitrile	41	3.185	3.193	-0.008	96	74519	200.0	178.6	
* 26 TBA-d9 (IS)	65	3.234	3.234	0.000	74	169491	1000.0	1000.0	
27 Methylene Chloride	84	3.234	3.242	-0.008	93	75045	20.0	19.1	
28 2-Methyl-2-propanol	59	3.300	3.316	-0.016	71	58634	200.0	196.4	
29 Methyl tert-butyl ether	73	3.398	3.406	-0.008	97	155070	20.0	20.2	
30 trans-1,2-Dichloroethene	96	3.423	3.431	-0.008	93	78266	20.0	18.6	
31 Acrylonitrile	53	3.497	3.497	0.000	92	197171	200.0	176.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.579	3.579	0.000	91	63063	20.0	21.4	
33 Isopropyl ether	45	3.793	3.793	0.000	89	200841	20.0	19.6	
34 1,1-Dichloroethane	63	3.817	3.826	-0.009	99	127643	20.0	18.8	
35 Vinyl acetate	86	3.834	3.834	0.000	94	26211	40.0	37.4	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	92	69140	20.0	19.5	
37 Tert-butyl ethyl ether	59	4.097	4.105	-0.008	89	186002	20.0	20.9	
* 38 2-Butanone-d5	46	4.294	4.302	-0.008	92	117043	250.0	250.0	
39 2,2-Dichloropropane	97	4.327	4.335	-0.008	95	24817	20.0	20.5	
40 cis-1,2-Dichloroethene	96	4.335	4.343	-0.008	96	86573	20.0	18.1	
41 2-Butanone (MEK)	72	4.360	4.351	0.009	97	29343	100.0	79.4	
42 Ethyl acetate	70	4.343	4.360	-0.017	79	10976	40.0	31.4	
43 Methyl acrylate	55	4.409	4.409	0.000	93	41026	20.0	17.0	
44 Propionitrile	54	4.491	4.491	0.000	97	71373	200.0	170.9	
45 Chlorobromomethane	128	4.565	4.565	0.000	75	43686	20.0	17.9	
46 Tetrahydrofuran	72	4.565	4.565	0.000	52	15791	40.0	35.5	
47 Methacrylonitrile	67	4.590	4.590	0.000	92	228638	200.0	181.5	
48 Chloroform	83	4.614	4.614	0.000	99	132958	20.0	17.8	
49 Cyclohexane	84	4.754	4.754	0.000	91	98649	20.0	22.4	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	98	156184	50.0	50.7	
50 1,1,1-Trichloroethane	97	4.762	4.770	-0.008	81	119002	20.0	20.3	
52 Carbon tetrachloride	117	4.885	4.885	0.000	97	113864	20.0	21.3	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	94	97244	20.0	19.5	
54 Isobutyl alcohol	43	5.066	5.033	0.033	27	83777	500.0	504.1	
55 Benzene	78	5.107	5.107	0.000	96	287237	20.0	19.1	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	98	179215	50.0	48.9	
57 Isopropyl acetate	43	5.165	5.165	0.000	85	174103	20.0	18.8	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	89	203761	20.0	19.9	
59 1,2-Dichloroethane	62	5.198	5.198	0.000	97	103106	20.0	18.3	
60 n-Heptane	57	5.255	5.255	0.000	92	53503	20.0	21.4	
* 61 Fluorobenzene	96	5.395	5.395	0.000	99	466152	50.0	50.0	
62 n-Butanol	56	5.683	5.691	-0.008	90	34129	500.0	475.6	
63 Trichloroethene	95	5.748	5.748	0.000	95	77964	20.0	18.7	
65 Ethyl acrylate	55	5.872	5.872	0.000	97	157936	20.0	20.9	
64 Methylcyclohexane	83	5.880	5.880	0.000	92	136011	20.0	23.5	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	90	67534	20.0	18.4	
* 67 1,4-Dioxane-d8	96	6.102	6.102	0.000	85	21255	1000.0	1000.0	
68 Methyl methacrylate	100	6.110	6.110	0.000	84	33088	40.0	34.6	
69 1,4-Dioxane	88	6.159	6.159	0.000	25	13576	400.0	386.4	
70 n-Propyl acetate	43	6.167	6.167	0.000	98	70323	20.0	17.5	
71 Dibromomethane	93	6.167	6.167	0.000	81	43484	20.0	16.7	
72 Dichlorobromomethane	83	6.315	6.315	0.000	99	93941	20.0	18.6	
74 2-Chloroethyl vinyl ether	63	6.652	6.652	0.000	76	30922	20.0	17.0	
73 2-Nitropropane	41	6.660	6.660	0.000	82	28587	40.0	32.5	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	99101	400.0	341.7	
76 cis-1,3-Dichloropropene	75	6.816	6.816	0.000	93	99322	20.0	17.4	
77 4-Methyl-2-pentanone (MIBK	43	6.989	6.989	0.000	96	279119	100.0	92.5	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	579571	50.0	50.7	
79 Toluene	91	7.145	7.145	0.000	98	311209	20.0	19.3	
80 trans-1,3-Dichloropropene	75	7.490	7.490	0.000	98	91924	20.0	17.7	
81 Ethyl methacrylate	69	7.523	7.523	0.000	90	75957	20.0	18.1	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	95	49394	20.0	17.9	
83 Tetrachloroethene	166	7.761	7.753	0.008	95	102336	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
84 1,3-Dichloropropane	76	7.926	7.926	0.000	94	96996	20.0	18.8	
85 2-Hexanone	43	7.983	7.983	0.000	95	174882	100.0	88.7	
86 n-Butyl acetate	43	8.098	8.098	0.000	98	87000	20.0	17.8	
87 Chlorodibromomethane	129	8.156	8.156	0.000	97	73411	20.0	17.5	
88 Ethylene Dibromide	107	8.312	8.312	0.000	99	61548	20.0	18.4	
* 89 Chlorobenzene-d5	117	8.862	8.862	0.000	86	416288	50.0	50.0	
90 Chlorobenzene	112	8.895	8.895	0.000	97	224652	20.0	19.2	
91 Ethylbenzene	106	9.002	9.002	0.000	98	124500	20.0	19.2	
92 1,1,1,2-Tetrachloroethane	131	9.019	9.019	0.000	92	91336	20.0	19.2	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	96	159870	20.0	19.7	
94 n-Butyl acrylate	73	9.577	9.569	0.008	98	54109	20.0	17.9	
95 o-Xylene	106	9.586	9.586	0.000	95	164145	20.0	19.9	
96 Styrene	104	9.618	9.618	0.000	96	264176	20.0	20.0	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	91	135686	20.0	18.9	
98 Bromoform	173	9.816	9.816	0.000	96	59099	20.0	18.0	
99 Isopropylbenzene	105	9.931	9.922	0.009	96	422964	20.0	21.3	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	264497	50.0	52.4	
101 Bromobenzene	156	10.218	10.218	0.000	88	121906	20.0	18.2	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	96	84693	20.0	17.7	
103 N-Propylbenzene	91	10.276	10.276	0.000	100	487035	20.0	21.4	
104 1,2,3-Trichloropropane	110	10.292	10.292	0.000	94	29348	20.0	17.5	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	91	23999	20.0	16.2	
106 2-Chlorotoluene	91	10.366	10.366	0.000	97	347082	20.0	20.3	
107 4-Ethyltoluene	105	10.374	10.374	0.000	98	439863	20.0	21.4	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	95	371968	20.0	21.0	
109 4-Chlorotoluene	91	10.457	10.457	0.000	97	311882	20.0	20.2	
110 Butyl Methacrylate	87	10.506	10.498	0.008	91	119636	20.0	19.2	
111 tert-Butylbenzene	119	10.654	10.654	0.000	95	321730	20.0	20.9	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	97	381156	20.0	20.9	
113 sec-Butylbenzene	105	10.818	10.818	0.000	99	485327	20.0	21.1	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	76	244489	20.0	19.5	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	97	425164	20.0	21.3	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.974	-0.008	92	299689	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.982	10.982	0.000	95	245478	20.0	19.1	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	402464	20.0	19.4	
118 Benzyl chloride	91	11.089	11.089	0.000	99	199472	20.0	19.7	
119 2,3-Dihydroindene	117	11.130	11.139	-0.009	95	406048	20.0	19.6	
120 p-Diethylbenzene	119	11.171	11.171	0.000	95	265770	20.0	21.5	
121 n-Butylbenzene	92	11.188	11.188	0.000	96	211933	20.0	20.9	
122 1,2-Dichlorobenzene	146	11.237	11.237	0.000	98	236282	20.0	19.9	
123 1,2,4,5-Tetramethylbenzene	119	11.648	11.664	-0.016	98	403127	20.0	19.8	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.738	-0.016	93	16920	20.0	18.4	
125 1,3,5-Trichlorobenzene	180	11.812	11.821	-0.009	97	201034	20.0	19.6	
126 1,2,4-Trichlorobenzene	180	12.223	12.231	-0.008	93	183206	20.0	19.8	
127 Hexachlorobutadiene	225	12.289	12.297	-0.008	97	96561	20.0	20.8	
128 Naphthalene	128	12.396	12.412	-0.016	99	352017	20.0	20.6	
129 1,2,3-Trichlorobenzene	180	12.560	12.577	-0.016	95	175615	20.0	20.0	
S 130 1,2-Dichloroethene, Total	100				0		40.0	36.7	
S 131 Xylenes, Total	100				0		40.0	39.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00055	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
GASES Li_00203	Amount Added:	20.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

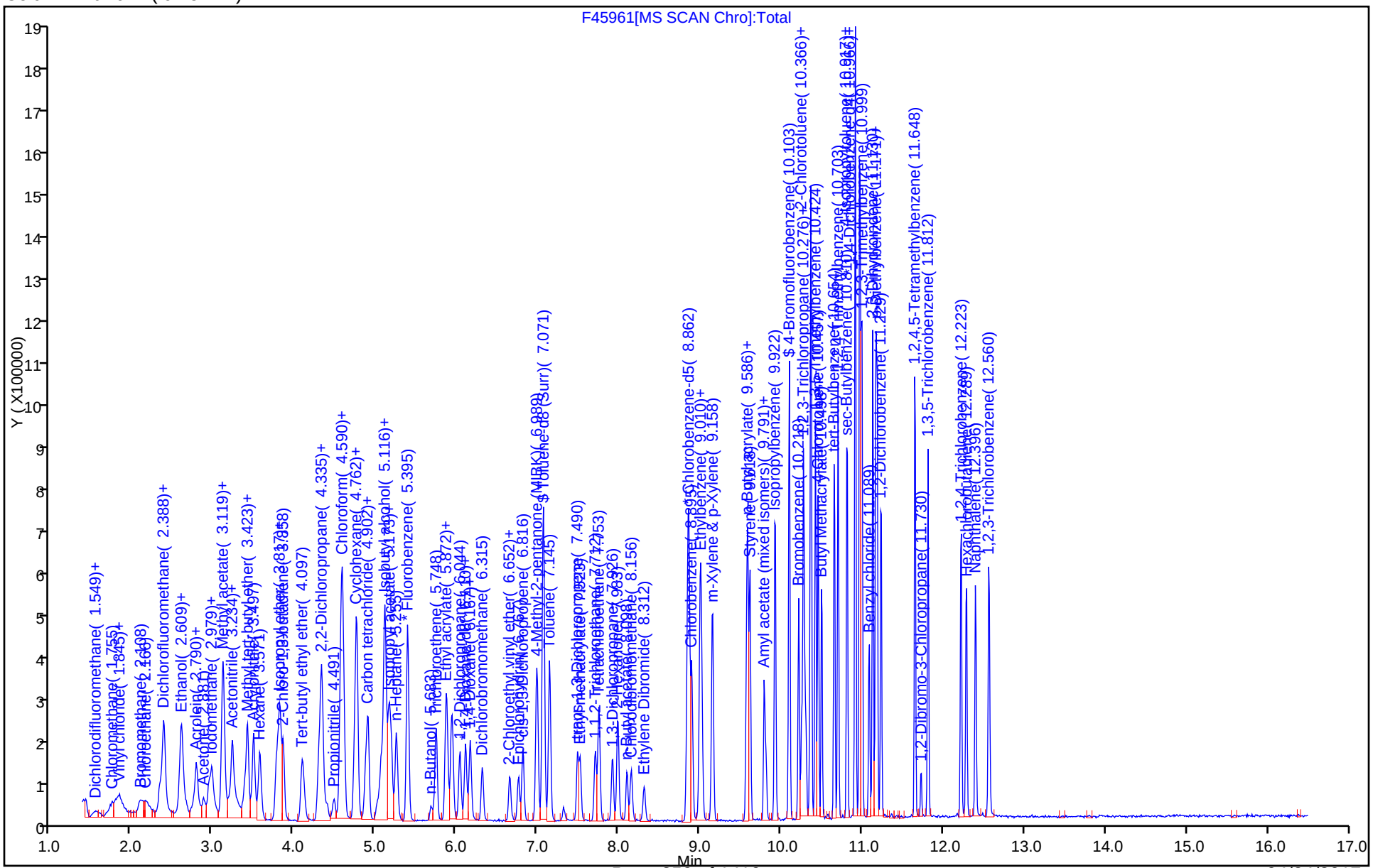
Report Date: 22-Apr-2017 19:30:39 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45961.D

Injection Date:	18-Apr-2017 13:20:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-431214/5

Matrix: Water | Lab File ID: F45962.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/18/2017 13:43

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.: 431214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.1		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	18.1		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.9		1.0	0.34
79-00-5	1,1,2-Trichloroethane	17.8		1.0	0.080
75-34-3	1,1-Dichloroethane	19.2		1.0	0.24
75-35-4	1,1-Dichloroethene	19.3		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	20.8		1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	20.1		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1.0	0.23
95-50-1	1,2-Dichlorobenzene	19.8		1.0	0.22
107-06-2	1,2-Dichloroethane	17.5		1.0	0.25
78-87-5	1,2-Dichloropropane	18.1		1.0	0.18
541-73-1	1,3-Dichlorobenzene	19.6		1.0	0.33
106-46-7	1,4-Dichlorobenzene	20.1		1.0	0.33
123-91-1	1,4-Dioxane	395		50	8.7
78-93-3	2-Butanone (MEK)	89.0		5.0	2.2
591-78-6	2-Hexanone	96.4		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	96.6		5.0	0.63
67-64-1	Acetone	91.5		5.0	1.1
71-43-2	Benzene	19.2		1.0	0.090
75-25-2	Bromoform	18.5		1.0	0.18
74-83-9	Bromomethane	17.1		1.0	0.18
75-15-0	Carbon disulfide	20.5		1.0	0.22
56-23-5	Carbon tetrachloride	21.0		1.0	0.33
108-90-7	Chlorobenzene	19.4		1.0	0.24
74-97-5	Chlorobromomethane	18.7		1.0	0.30
124-48-1	Chlorodibromomethane	18.2		1.0	0.22
75-00-3	Chloroethane	19.9		1.0	0.37
67-66-3	Chloroform	18.4		1.0	0.22
74-87-3	Chloromethane	17.3		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	19.1		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	18.5		1.0	0.16
110-82-7	Cyclohexane	22.9		1.0	0.26
75-27-4	Dichlorobromomethane	17.9		1.0	0.15
75-71-8	Dichlorodifluoromethane	18.0		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-431214/5

Matrix: Water | Lab File ID: F45962.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/18/2017 13:43

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.: 431214 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	19.2		1.0	0.30
106-93-4	Ethylene Dibromide	18.1		1.0	0.19
98-82-8	Isopropylbenzene	21.5		1.0	0.32
79-20-9	Methyl acetate	91.8		5.0	0.58
1634-04-4	Methyl tert-butyl ether	20.2		1.0	0.13
108-87-2	Methylcyclohexane	23.0		1.0	0.22
75-09-2	Methylene Chloride	18.5		1.0	0.21
179601-23-1	m-Xylene & p-Xylene	19.6		1.0	0.28
95-47-6	o-Xylene	20.0		1.0	0.32
100-42-5	Styrene	20.4		1.0	0.17
127-18-4	Tetrachloroethene	20.2		1.0	0.12
108-88-3	Toluene	19.6		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	19.1		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	17.7		1.0	0.19
79-01-6	Trichloroethene	18.2		1.0	0.22
75-69-4	Trichlorofluoromethane	22.1		1.0	0.15
75-01-4	Vinyl chloride	19.6		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		74-132
460-00-4	4-Bromofluorobenzene	103		77-124
1868-53-7	Dibromofluoromethane (Surr)	98		72-131
2037-26-5	Toluene-d8 (Surr)	100		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45962.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 18-Apr-2017 13:43:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0053910-005
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 22-Apr-2017 19:30:12 Calib Date: 18-Apr-2017 00:10:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170417-53865.b\F45949.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: moroneyc Date: 19-Apr-2017 11:29:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.574	1.566	0.008	97	95566	20.0	18.0	
1 Chlorotrifluoroethene	66	1.533	1.566	-0.033	77	15299	20.0	19.2	M
3 Chloromethane	50	1.755	1.763	-0.008	88	110440	20.0	17.3	
4 Vinyl chloride	62	1.837	1.845	-0.008	97	97237	20.0	19.6	
5 Butadiene	54	1.854	1.853	0.001	92	64391	20.0	18.9	
6 Bromomethane	94	2.125	2.116	0.009	97	74886	20.0	17.1	
7 Chloroethane	64	2.182	2.199	-0.017	84	56585	20.0	19.9	
9 Trichlorofluoromethane	101	2.355	2.363	-0.008	97	118928	20.0	22.1	
8 Dichlorofluoromethane	67	2.363	2.363	0.000	87	103747	20.0	20.7	
10 Pentane	72	2.404	2.404	0.000	95	23776	40.0	46.8	
11 Ethanol	46	2.585	2.593	-0.008	64	5404	800.0	755.1	
12 Ethyl ether	59	2.593	2.593	0.000	95	51792	20.0	18.7	
13 2-Methyl-1,3-butadiene	53	2.609	2.618	-0.009	97	59714	20.0	20.8	
14 1,2-Dichloro-1,1,2-trifluo	117	2.634	2.634	0.000	78	44792	20.0	17.3	
15 Acrolein	56	2.766	2.774	-0.008	51	13182	40.0	47.3	
16 1,1,2-Trichloro-1,2,2-trif	101	2.790	2.782	0.008	42	50639	20.0	19.9	
17 1,1-Dichloroethene	96	2.798	2.798	0.000	98	64150	20.0	19.3	
18 Acetone	43	2.889	2.889	0.000	85	87140	100.0	91.5	
19 Iodomethane	142	2.955	2.955	0.001	99	130272	20.0	19.7	
21 Carbon disulfide	76	2.987	2.987	0.000	100	216208	20.0	20.5	
20 Isopropyl alcohol	45	2.996	2.987	0.009	30	26845	200.0	206.5	
22 3-Chloro-1-propene	41	3.119	3.119	0.000	94	135215	20.0	20.6	
24 Methyl acetate	43	3.127	3.127	0.000	96	196077	100.0	91.8	
23 Cyclopentene	67	3.135	3.135	0.000	95	181450	20.0	21.8	
25 Acetonitrile	41	3.193	3.193	0.000	92	65719	200.0	150.6	
* 26 TBA-d9 (IS)	65	3.259	3.234	0.025	96	161387	1000.0	1000.0	
27 Methylene Chloride	84	3.234	3.242	-0.008	91	76091	20.0	18.5	
28 2-Methyl-2-propanol	59	3.316	3.316	0.000	33	58201	200.0	204.8	
29 Methyl tert-butyl ether	73	3.407	3.406	0.001	96	162238	20.0	20.2	
30 trans-1,2-Dichloroethene	96	3.431	3.431	0.000	93	84037	20.0	19.1	
31 Acrylonitrile	53	3.505	3.497	0.008	93	211645	200.0	181.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.579	3.579	0.000	92	61028	20.0	19.8	
33 Isopropyl ether	45	3.785	3.793	-0.009	91	205961	20.0	19.2	
34 1,1-Dichloroethane	63	3.826	3.826	0.000	99	136573	20.0	19.2	
35 Vinyl acetate	86	3.842	3.834	0.008	95	26571	40.0	36.2	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	92	76326	20.0	20.6	
37 Tert-butyl ethyl ether	59	4.105	4.105	0.000	90	191627	20.0	20.6	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	88	112428	250.0	250.0	
39 2,2-Dichloropropane	97	4.327	4.335	-0.008	92	27023	20.0	21.4	
40 cis-1,2-Dichloroethene	96	4.343	4.343	0.000	98	95874	20.0	19.1	
41 2-Butanone (MEK)	72	4.360	4.351	0.009	96	31440	100.0	89.0	
42 Ethyl acetate	70	4.351	4.360	-0.009	93	12277	40.0	37.2	
43 Methyl acrylate	55	4.409	4.409	0.000	89	44913	20.0	17.9	
44 Propionitrile	54	4.491	4.491	0.000	98	69106	200.0	158.2	
45 Chlorobromomethane	128	4.565	4.565	0.000	77	47725	20.0	18.7	
46 Tetrahydrofuran	72	4.573	4.565	0.008	54	15197	40.0	35.6	
47 Methacrylonitrile	67	4.590	4.590	0.000	92	244990	200.0	185.9	
48 Chloroform	83	4.614	4.614	0.000	99	143457	20.0	18.4	
49 Cyclohexane	84	4.754	4.754	0.000	90	105357	20.0	22.9	
$ 51 Dibromofluoromethane (Surr	113	4.771	4.770	0.001	98	158383	50.0	49.2	
50 1,1,1-Trichloroethane	97	4.762	4.770	-0.008	98	122935	20.0	20.1	
52 Carbon tetrachloride	117	4.886	4.885	0.001	97	117616	20.0	21.0	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	95	103935	20.0	19.9	
54 Isobutyl alcohol	43	5.058	5.033	0.025	79	79408	500.0	501.8	
55 Benzene	78	5.116	5.107	0.009	95	300225	20.0	19.2	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	97	181131	50.0	47.2	
57 Isopropyl acetate	43	5.165	5.165	0.000	89	192315	20.0	19.8	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	87	217359	20.0	20.3	
59 1,2-Dichloroethane	62	5.198	5.198	0.000	97	103490	20.0	17.5	
60 n-Heptane	57	5.264	5.255	0.009	86	58021	20.0	22.2	
* 61 Fluorobenzene	96	5.395	5.395	0.000	99	487689	50.0	50.0	
62 n-Butanol	56	5.691	5.691	0.000	92	31949	500.0	467.6	
63 Trichloroethene	95	5.748	5.748	0.000	96	79481	20.0	18.2	
65 Ethyl acrylate	55	5.872	5.872	0.000	92	165648	20.0	20.9	
64 Methylcyclohexane	83	5.880	5.880	0.000	90	138907	20.0	23.0	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	84	69360	20.0	18.1	
* 67 1,4-Dioxane-d8	96	6.102	6.102	0.000	35	18451	1000.0	1000.0	
68 Methyl methacrylate	100	6.118	6.110	0.008	86	36580	40.0	36.5	
69 1,4-Dioxane	88	6.159	6.159	0.000	25	12033	400.0	394.5	
70 n-Propyl acetate	43	6.167	6.167	0.000	98	75960	20.0	18.1	
71 Dibromomethane	93	6.167	6.167	0.000	81	46951	20.0	17.2	
72 Dichlorobromomethane	83	6.324	6.315	0.009	98	94438	20.0	17.9	
74 2-Chloroethyl vinyl ether	63	6.660	6.652	0.008	76	35558	20.0	18.7	
73 2-Nitropropane	41	6.660	6.660	0.000	82	29805	40.0	32.4	
75 Epichlorohydrin	57	6.759	6.767	-0.008	99	107831	400.0	387.0	
76 cis-1,3-Dichloropropene	75	6.817	6.816	0.001	93	109994	20.0	18.5	
77 4-Methyl-2-pentanone (MIBK	43	6.989	6.989	0.000	96	279857	100.0	96.6	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	100	593619	50.0	50.0	
79 Toluene	91	7.145	7.145	0.000	94	327208	20.0	19.6	
80 trans-1,3-Dichloropropene	75	7.490	7.490	0.000	98	95324	20.0	17.7	
81 Ethyl methacrylate	69	7.523	7.523	0.000	90	81764	20.0	18.7	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	94	51092	20.0	17.8	
83 Tetrachloroethene	166	7.753	7.753	0.000	95	105139	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 1,3-Dichloropropane	76	7.926	7.926	0.000	93	99941	20.0	18.6	
85 2-Hexanone	43	7.983	7.983	0.000	94	182412	100.0	96.4	
86 n-Butyl acetate	43	8.098	8.098	0.000	99	92522	20.0	18.2	
87 Chlorodibromomethane	129	8.156	8.156	0.000	97	79263	20.0	18.2	
88 Ethylene Dibromide	107	8.312	8.312	0.000	99	63024	20.0	18.1	
* 89 Chlorobenzene-d5	117	8.863	8.862	0.001	85	432592	50.0	50.0	
90 Chlorobenzene	112	8.904	8.895	0.009	97	235955	20.0	19.4	
91 Ethylbenzene	106	9.002	9.002	0.000	98	129760	20.0	19.2	
92 1,1,1,2-Tetrachloroethane	131	9.019	9.019	0.000	92	96007	20.0	19.4	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	96	165094	20.0	19.6	
94 n-Butyl acrylate	73	9.577	9.569	0.008	96	57188	20.0	18.2	
95 o-Xylene	106	9.586	9.586	0.000	95	170750	20.0	20.0	
96 Styrene	104	9.619	9.618	0.001	96	280501	20.0	20.4	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	92	140830	20.0	19.5	
98 Bromoform	173	9.816	9.816	0.000	98	63098	20.0	18.5	
99 Isopropylbenzene	105	9.931	9.922	0.009	96	444425	20.0	21.5	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	269581	50.0	51.4	
101 Bromobenzene	156	10.218	10.218	0.000	88	130993	20.0	19.3	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	96	87456	20.0	18.1	
103 N-Propylbenzene	91	10.276	10.276	0.000	100	516157	20.0	22.4	
104 1,2,3-Trichloropropane	110	10.292	10.292	0.000	97	30654	20.0	18.1	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	88	26703	20.0	17.8	
106 2-Chlorotoluene	91	10.366	10.366	0.000	98	355505	20.0	20.5	
107 4-Ethyltoluene	105	10.374	10.374	0.000	97	458159	20.0	22.1	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	94	390291	20.0	21.8	
109 4-Chlorotoluene	91	10.457	10.457	0.000	96	333591	20.0	21.4	
110 Butyl Methacrylate	87	10.498	10.498	0.000	93	122298	20.0	19.4	
111 tert-Butylbenzene	119	10.654	10.654	0.000	95	337801	20.0	21.7	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	97	402261	20.0	21.8	
113 sec-Butylbenzene	105	10.810	10.818	-0.008	98	486172	20.0	20.9	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	97	247214	20.0	19.6	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	98	443731	20.0	22.0	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.974	-0.008	93	302878	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.983	10.982	0.001	95	260309	20.0	20.1	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	415430	20.0	19.8	
118 Benzyl chloride	91	11.081	11.089	-0.008	99	213540	20.0	20.8	
119 2,3-Dihydroindene	117	11.130	11.139	-0.009	95	425627	20.0	20.3	
120 p-Diethylbenzene	119	11.163	11.171	-0.008	94	268692	20.0	21.5	
121 n-Butylbenzene	92	11.180	11.188	-0.008	98	217807	20.0	21.3	
122 1,2-Dichlorobenzene	146	11.229	11.237	-0.008	97	238220	20.0	19.8	
123 1,2,4,5-Tetramethylbenzene	119	11.648	11.664	-0.016	98	415418	20.0	20.2	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.738	-0.016	95	17583	20.0	19.0	
125 1,3,5-Trichlorobenzene	180	11.812	11.821	-0.009	97	205895	20.0	19.9	
126 1,2,4-Trichlorobenzene	180	12.215	12.231	-0.016	94	187837	20.0	20.1	
127 Hexachlorobutadiene	225	12.281	12.297	-0.016	98	96018	20.0	20.5	
128 Naphthalene	128	12.396	12.412	-0.016	99	354700	20.0	20.6	
129 1,2,3-Trichlorobenzene	180	12.560	12.577	-0.016	95	183930	20.0	20.8	
S 130 1,2-Dichloroethene, Total	100				0		40.0	38.2	
S 131 Xylenes, Total	100				0		40.0	39.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00055	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
GASES Li_00203	Amount Added:	20.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 22-Apr-2017 19:30:48 Chrom Revision: 2.2 18-Apr-2017 07:43:58

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170418-53910.b\F45962.D

Injection Date: 18-Apr-2017 13:43:30 Instrument ID: CVOAMS6 Operator ID:

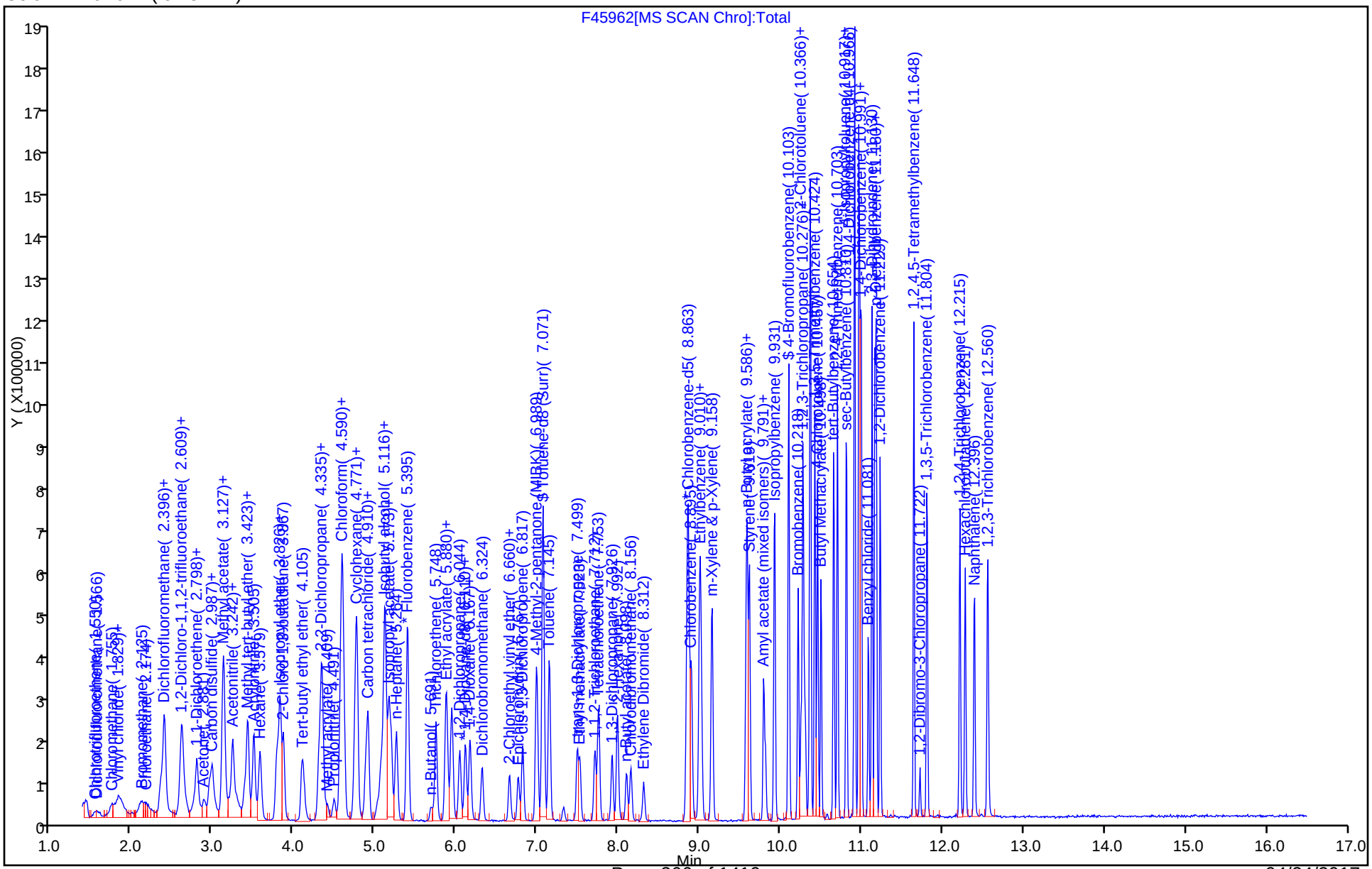
Lims ID: LCSD Worklist Smp#: 5

Client ID:

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

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 18S-42017 MS | Lab Sample ID: 460-131030-3 MS

Matrix: Water | Lab File ID: F45841.D

Analysis Method: 8260C | Date Collected: 04/05/2017 11:57

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 05:33

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.5		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13.3		1.0	0.34
79-00-5	1,1,2-Trichloroethane	19.6		1.0	0.080
75-34-3	1,1-Dichloroethane	20.6		1.0	0.24
75-35-4	1,1-Dichloroethene	20.4		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	20.7		1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	20.4		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	18.3		1.0	0.23
95-50-1	1,2-Dichlorobenzene	22.0		1.0	0.22
107-06-2	1,2-Dichloroethane	20.0		1.0	0.25
78-87-5	1,2-Dichloropropane	17.7		1.0	0.18
541-73-1	1,3-Dichlorobenzene	21.5		1.0	0.33
106-46-7	1,4-Dichlorobenzene	21.7		1.0	0.33
123-91-1	1,4-Dioxane	444		50	8.7
78-93-3	2-Butanone (MEK)	121		5.0	2.2
591-78-6	2-Hexanone	105		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	114		5.0	0.63
67-64-1	Acetone	107		5.0	1.1
71-43-2	Benzene	21.0		1.0	0.090
75-25-2	Bromoform	19.2		1.0	0.18
74-83-9	Bromomethane	18.7		1.0	0.18
75-15-0	Carbon disulfide	15.6		1.0	0.22
56-23-5	Carbon tetrachloride	20.6		1.0	0.33
108-90-7	Chlorobenzene	21.3		1.0	0.24
74-97-5	Chlorobromomethane	22.6		1.0	0.30
124-48-1	Chlorodibromomethane	20.5		1.0	0.22
75-00-3	Chloroethane	18.1		1.0	0.37
67-66-3	Chloroform	22.0		1.0	0.22
74-87-3	Chloromethane	19.9		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	22.2		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	17.5		1.0	0.16
110-82-7	Cyclohexane	16.5		1.0	0.26
75-27-4	Dichlorobromomethane	18.9		1.0	0.15
75-71-8	Dichlorodifluoromethane	16.6		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 18S-42017 MS | Lab Sample ID: 460-131030-3 MS

Matrix: Water | Lab File ID: F45841.D

Analysis Method: 8260C | Date Collected: 04/05/2017 11:57

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 05:33

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	21.9		1.0	0.30
106-93-4	Ethylene Dibromide	21.0		1.0	0.19
98-82-8	Isopropylbenzene	20.7		1.0	0.32
79-20-9	Methyl acetate	97.5		5.0	0.58
1634-04-4	Methyl tert-butyl ether	16.0		1.0	0.13
108-87-2	Methylcyclohexane	19.3		1.0	0.22
75-09-2	Methylene Chloride	19.3		1.0	0.21
179601-23-1	m-Xylene & p-Xylene	21.3		1.0	0.28
95-47-6	o-Xylene	20.9		1.0	0.32
100-42-5	Styrene	21.3		1.0	0.17
127-18-4	Tetrachloroethene	25.3		1.0	0.12
108-88-3	Toluene	21.5		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	22.0		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	17.3		1.0	0.19
79-01-6	Trichloroethene	30.1		1.0	0.22
75-69-4	Trichlorofluoromethane	17.4		1.0	0.15
75-01-4	Vinyl chloride	16.4		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		74-132
460-00-4	4-Bromofluorobenzene	98		77-124
1868-53-7	Dibromofluoromethane (Surr)	102		72-131
2037-26-5	Toluene-d8 (Surr)	94		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45841.D
Lims ID: 460-131030-A-3 MS
Client ID: 18S-42017
Sample Type: MS
Inject. Date: 15-Apr-2017 05:33:30 ALS Bottle#: 9 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-A-3 MS
Misc. Info.: 460-0053757-014
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Apr-2017 16:06:42 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: delpolitov Date: 17-Apr-2017 16:06:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.574	1.517	0.057	57	11474	20.0	15.6	M
2 Dichlorodifluoromethane	85	1.574	1.574	0.000	98	75062	20.0	16.6	
3 Chloromethane	50	1.747	1.738	0.009	99	98578	20.0	19.9	M
4 Vinyl chloride	62	1.845	1.812	0.033	88	82011	20.0	16.4	
5 Butadiene	54	1.845	1.837	0.008	93	63238	20.0	17.2	
6 Bromomethane	94	2.133	2.116	0.017	98	57657	20.0	18.7	
7 Chloroethane	64	2.215	2.182	0.033	98	47445	20.0	18.1	
9 Trichlorofluoromethane	101	2.363	2.355	0.008	96	87410	20.0	17.4	
8 Dichlorofluoromethane	67	2.363	2.363	0.000	87	88814	20.0	14.2	
10 Pentane	72	2.404	2.388	0.016	93	15875	40.0	31.9	
12 Ethyl ether	59	2.593	2.585	0.008	97	41330	20.0	19.3	
13 2-Methyl-1,3-butadiene	53	2.618	2.609	0.009	95	43043	20.0	16.7	
11 Ethanol	46	2.593	2.618	-0.025	67	8763	800.0	768.8	
14 1,2-Dichloro-1,1,2-trifluo	117	2.642	2.626	0.016	76	42147	20.0	17.9	
15 Acrolein	56	2.766	2.766	0.000	73	11125	40.0	37.2	
16 1,1,2-Trichloro-1,2,2-trif	101	2.774	2.782	-0.008	95	39805	20.0	13.3	
17 1,1-Dichloroethene	96	2.798	2.790	0.008	99	53969	20.0	20.4	
18 Acetone	43	2.889	2.889	0.000	85	58002	100.0	107.2	
19 Iodomethane	142	2.963	2.946	0.017	99	95256	20.0	18.4	
21 Carbon disulfide	76	2.996	2.979	0.017	99	159121	20.0	15.6	
20 Isopropyl alcohol	45	2.979	2.987	-0.008	26	24986	200.0	168.7	M
22 3-Chloro-1-propene	41	3.119	3.111	0.008	94	105745	20.0	16.7	
24 Methyl acetate	43	3.127	3.119	0.008	99	151737	100.0	97.5	
23 Cyclopentene	67	3.135	3.127	0.008	94	122930	20.0	18.6	
25 Acetonitrile	41	3.185	3.185	0.000	97	56232	200.0	161.1	
27 Methylene Chloride	84	3.242	3.234	0.008	91	61203	20.0	19.3	
* 26 TBA-d9 (IS)	46	3.242	3.234	0.008	79	46609	1000.0	1000.0	M
28 2-Methyl-2-propanol	59	3.308	3.300	0.008	91	44795	200.0	201.8	M
29 Methyl tert-butyl ether	73	3.406	3.398	0.008	97	128608	20.0	16.0	
30 trans-1,2-Dichloroethene	96	3.431	3.423	0.008	93	65021	20.0	22.0	
31 Acrylonitrile	53	3.505	3.497	0.008	94	168814	200.0	211.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.579	3.571	0.008	91	43904	20.0	15.7	
33 Isopropyl ether	45	3.793	3.784	0.009	90	168478	20.0	16.8	
34 1,1-Dichloroethane	63	3.826	3.817	0.009	99	108313	20.0	20.6	
35 Vinyl acetate	86	3.834	3.826	0.008	91	21548	40.0	50.6	
36 2-Chloro-1,3-butadiene	88	3.875	3.867	0.008	93	54990	20.0	22.9	
37 Tert-butyl ethyl ether	59	4.105	4.097	0.008	90	150073	20.0	16.8	
* 38 2-Butanone-d5	46	4.310	4.302	0.008	78	93217	250.0	250.0	
39 2,2-Dichloropropane	97	4.335	4.319	0.016	93	18613	20.0	17.1	
40 cis-1,2-Dichloroethene	96	4.343	4.335	0.008	96	72441	20.0	22.2	
42 Ethyl acetate	70	4.360	4.343	0.017	95	8267	40.0	40.9	
41 2-Butanone (MEK)	72	4.351	4.351	0.000	96	24490	100.0	121.3	
43 Methyl acrylate	55	4.409	4.409	0.000	91	37717	20.0	20.9	
44 Propionitrile	54	4.499	4.491	0.008	98	57229	200.0	199.0	
46 Tetrahydrofuran	72	4.565	4.565	0.000	62	11573	40.0	51.0	
45 Chlorobromomethane	128	4.573	4.565	0.008	78	35810	20.0	22.6	
47 Methacrylonitrile	67	4.590	4.590	0.000	92	191265	200.0	223.3	
48 Chloroform	83	4.614	4.614	0.000	98	111706	20.0	22.0	
49 Cyclohexane	84	4.754	4.746	0.008	93	76767	20.0	16.5	
50 1,1,1-Trichloroethane	97	4.770	4.762	0.008	96	108126	20.0	21.5	
$ 51 Dibromofluoromethane (Surr	113	4.770	4.770	0.000	97	117452	50.0	50.8	
52 Carbon tetrachloride	117	4.886	4.886	0.000	96	88217	20.0	20.6	
53 1,1-Dichloropropene	75	4.910	4.910	0.000	96	81106	20.0	20.6	
54 Isobutyl alcohol	43	5.033	5.033	0.000	90	64772	500.0	609.9	
55 Benzene	78	5.116	5.107	0.009	96	229277	20.0	21.0	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.124	5.124	0.000	97	137622	50.0	45.9	
57 Isopropyl acetate	43	5.165	5.165	0.000	93	149750	20.0	19.1	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	91	182551	20.0	21.3	
59 1,2-Dichloroethane	62	5.206	5.198	0.008	97	79903	20.0	20.0	
60 n-Heptane	57	5.263	5.255	0.008	90	39897	20.0	17.4	
* 61 Fluorobenzene	96	5.403	5.395	0.008	99	385409	50.0	50.0	
62 n-Butanol	56	5.691	5.699	-0.008	89	24829	500.0	394.8	
63 Trichloroethene	95	5.748	5.748	0.000	96	85764	20.0	30.1	
65 Ethyl acrylate	55	5.872	5.872	0.000	93	126205	20.0	17.9	
64 Methylcyclohexane	83	5.880	5.880	0.000	90	101222	20.0	19.3	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	85	54278	20.0	17.7	
* 67 1,4-Dioxane-d8	96	6.102	6.110	-0.008	36	15120	1000.0	1000.0	
68 Methyl methacrylate	100	6.118	6.110	0.008	86	25549	40.0	41.7	
69 1,4-Dioxane	88	6.167	6.151	0.016	25	8708	400.0	444.3	
70 n-Propyl acetate	43	6.167	6.167	0.000	98	56374	20.0	16.8	
71 Dibromomethane	93	6.176	6.176	0.000	78	33709	20.0	20.1	
72 Dichlorobromomethane	83	6.323	6.315	0.008	99	73652	20.0	18.9	
73 2-Nitropropane	41	6.660	6.660	0.000	98	23366	40.0	30.2	
75 Epichlorohydrin	57	6.767	6.767	0.000	99	72988	400.0	359.3	
76 cis-1,3-Dichloropropene	75	6.825	6.817	0.009	94	81263	20.0	17.5	
77 4-Methyl-2-pentanone (MIBK	43	6.989	6.989	0.000	97	240872	100.0	114.2	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	99	424472	50.0	46.8	
79 Toluene	91	7.153	7.145	0.008	94	246213	20.0	21.5	
80 trans-1,3-Dichloropropene	75	7.490	7.490	0.000	98	72339	20.0	17.3	
81 Ethyl methacrylate	69	7.523	7.523	0.000	90	62492	20.0	18.8	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	95	39268	20.0	19.6	
83 Tetrachloroethene	166	7.753	7.753	0.000	95	81466	20.0	25.3	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	93	76205	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
85 2-Hexanone	43	7.992	7.992	0.000	97	144125	100.0	104.8	
86 n-Butyl acetate	43	8.098	8.098	0.000	98	74159	20.0	18.2	
87 Chlorodibromomethane	129	8.156	8.156	0.000	98	59911	20.0	20.5	
88 Ethylene Dibromide	107	8.312	8.312	0.000	98	47532	20.0	21.0	
* 89 Chlorobenzene-d5	117	8.862	8.863	0.000	85	333408	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	96	176580	20.0	21.3	
91 Ethylbenzene	106	9.002	9.002	0.000	98	102757	20.0	21.9	
92 1,1,1,2-Tetrachloroethane	131	9.019	9.019	0.000	91	72353	20.0	20.8	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	96	125908	20.0	21.3	
94 n-Butyl acrylate	73	9.577	9.577	0.000	97	45178	20.0	19.7	
95 o-Xylene	106	9.586	9.586	0.000	95	130512	20.0	20.9	
96 Styrene	104	9.618	9.618	0.000	97	211829	20.0	21.3	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	92	111918	20.0	18.4	
98 Bromoform	173	9.816	9.816	0.000	98	45537	20.0	19.2	
99 Isopropylbenzene	105	9.931	9.931	0.000	96	334546	20.0	20.7	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	96	189497	50.0	48.9	
101 Bromobenzene	156	10.218	10.218	0.000	88	99154	20.0	22.4	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	97	70692	20.0	19.7	
103 N-Propylbenzene	91	10.276	10.276	0.000	100	387083	20.0	20.9	
104 1,2,3-Trichloropropane	110	10.292	10.292	0.000	96	22452	20.0	20.9	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	79	17985	20.0	16.6	
106 2-Chlorotoluene	91	10.366	10.366	0.000	98	271992	20.0	21.4	
107 4-Ethyltoluene	105	10.374	10.374	0.000	98	342175	20.0	23.8	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	95	294997	20.0	20.5	
109 4-Chlorotoluene	91	10.457	10.457	0.000	96	239909	20.0	20.8	
110 Butyl Methacrylate	87	10.498	10.506	-0.008	93	95462	20.0	18.9	
111 tert-Butylbenzene	119	10.654	10.654	0.000	95	256786	20.0	22.4	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	97	302399	20.0	20.1	
113 sec-Butylbenzene	105	10.818	10.818	0.000	98	368697	20.0	20.7	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	98	336665	20.0	20.7	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	97	188274	20.0	21.5	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	93	231611	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.982	10.982	0.000	96	196783	20.0	21.7	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	311882	20.0	21.0	
118 Benzyl chloride	91	11.081	11.081	0.000	99	156093	20.0	20.2	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	95	319038	20.0	21.8	
120 p-Diethylbenzene	119	11.163	11.163	0.000	93	193977	20.0	21.8	
121 n-Butylbenzene	92	11.180	11.180	0.000	98	161281	20.0	19.6	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	97	182350	20.0	22.0	
123 1,2,4,5-Tetramethylbenzene	119	11.648	11.640	0.008	98	306640	20.0	20.8	
124 1,2-Dibromo-3-Chloropropan	75	11.722	11.714	0.008	94	12790	20.0	18.3	
125 1,3,5-Trichlorobenzene	180	11.804	11.804	0.000	96	145123	20.0	21.4	
126 1,2,4-Trichlorobenzene	180	12.215	12.207	0.008	94	134231	20.0	20.4	
127 Hexachlorobutadiene	225	12.281	12.273	0.008	97	66105	20.0	19.6	
128 Naphthalene	128	12.388	12.388	0.000	99	268239	20.0	23.2	
129 1,2,3-Trichlorobenzene	180	12.560	12.552	0.008	94	128978	20.0	20.7	
S 130 1,2-Dichloroethene, Total	100				0		40.0	44.2	
S 131 Xylenes, Total	100				0		40.0	42.2	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00054	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
GASES Li_00202	Amount Added:	20.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

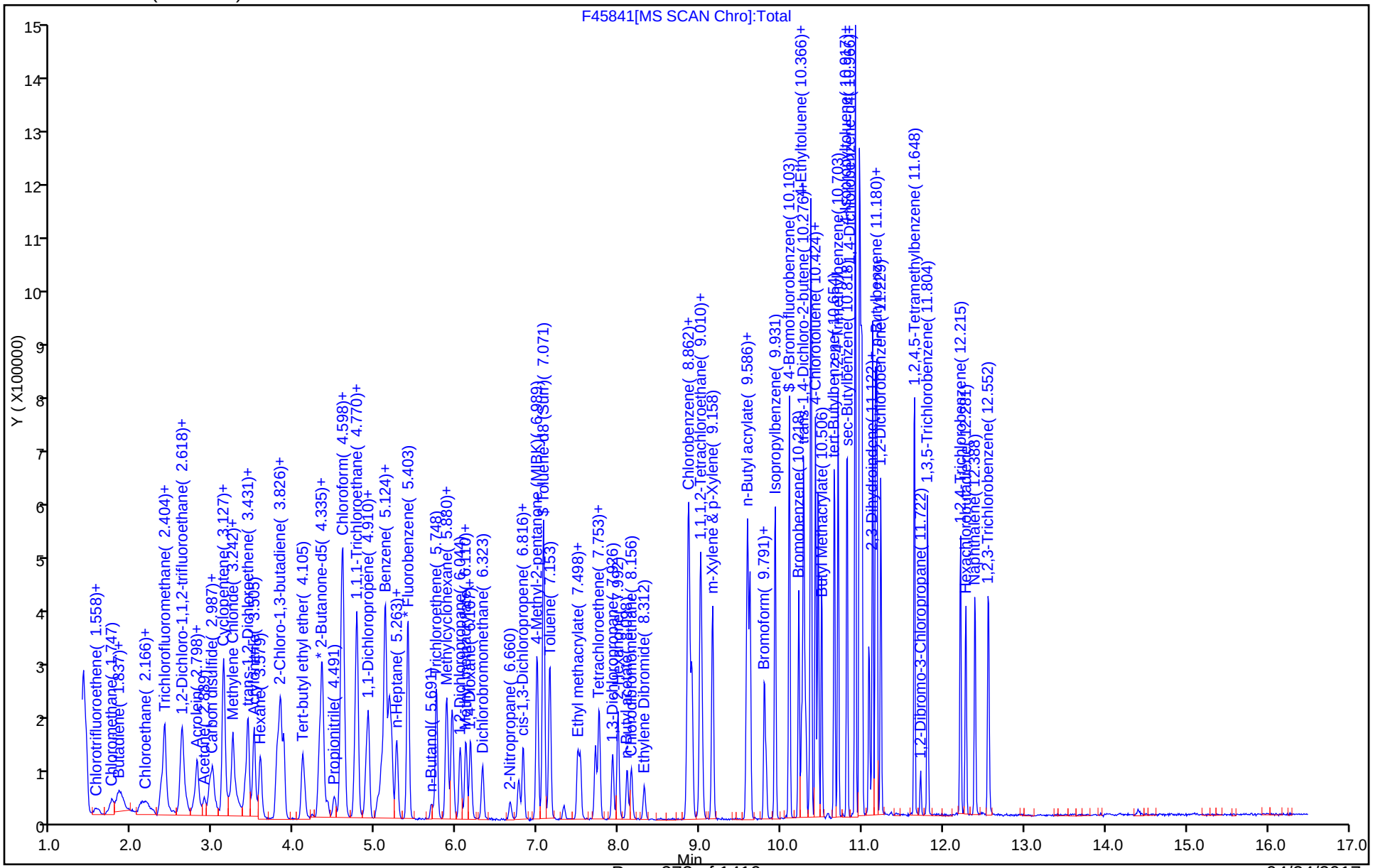
Report Date: 17-Apr-2017 16:06:42 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45841.D

Injection Date:	15-Apr-2017 05:33:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-131030-A-3 MS			Worklist Smp#:	14
Client ID:	18S-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

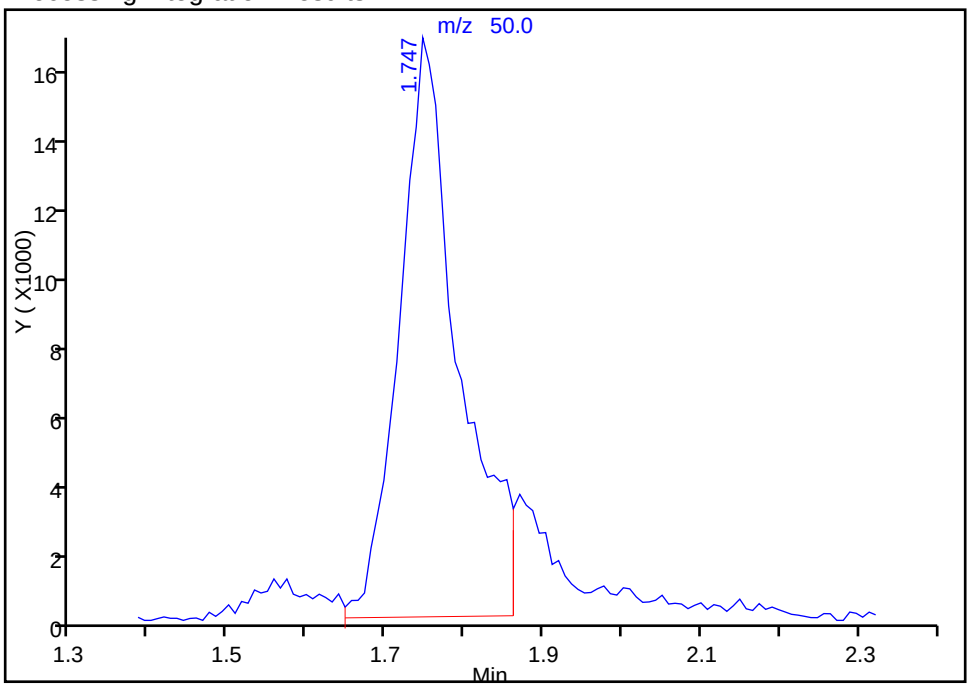
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Injection Date:	15-Apr-2017 05:33:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-A-3 MS				
Client ID:	18S-42017				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

3 Chloromethane, CAS: 74-87-3

Signal: 1

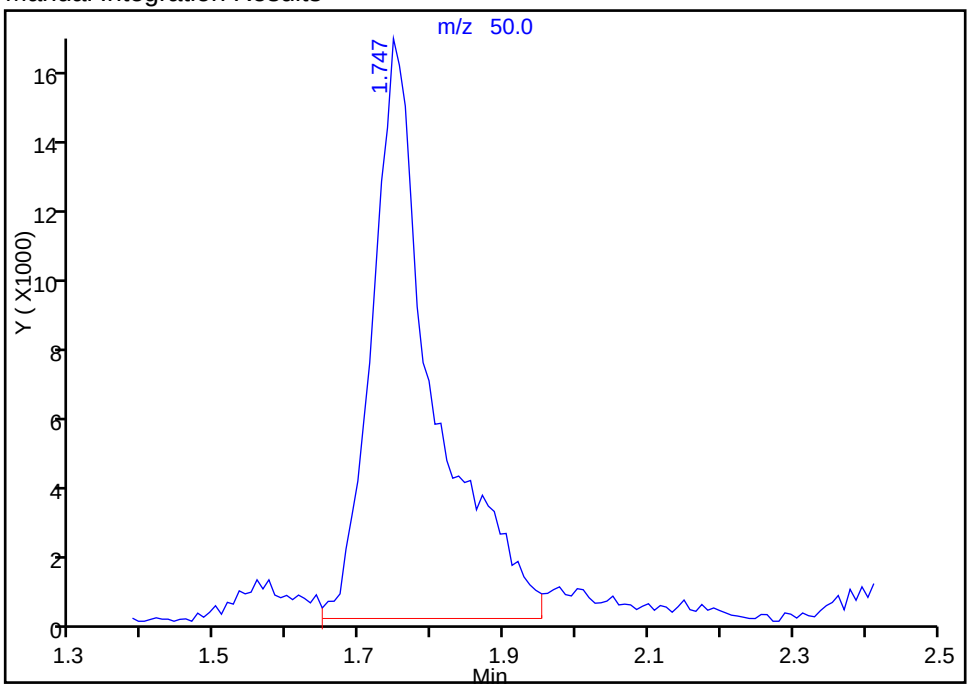
Processing Integration Results

RT: 1.75
Area: 87608
Amount: 17.690625
Amount Units: ug/l



Manual Integration Results

RT: 1.75
Area: 98578
Amount: 19.905790
Amount Units: ug/l



Reviewer: delpolitov, 17-Apr-2017 16:06:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

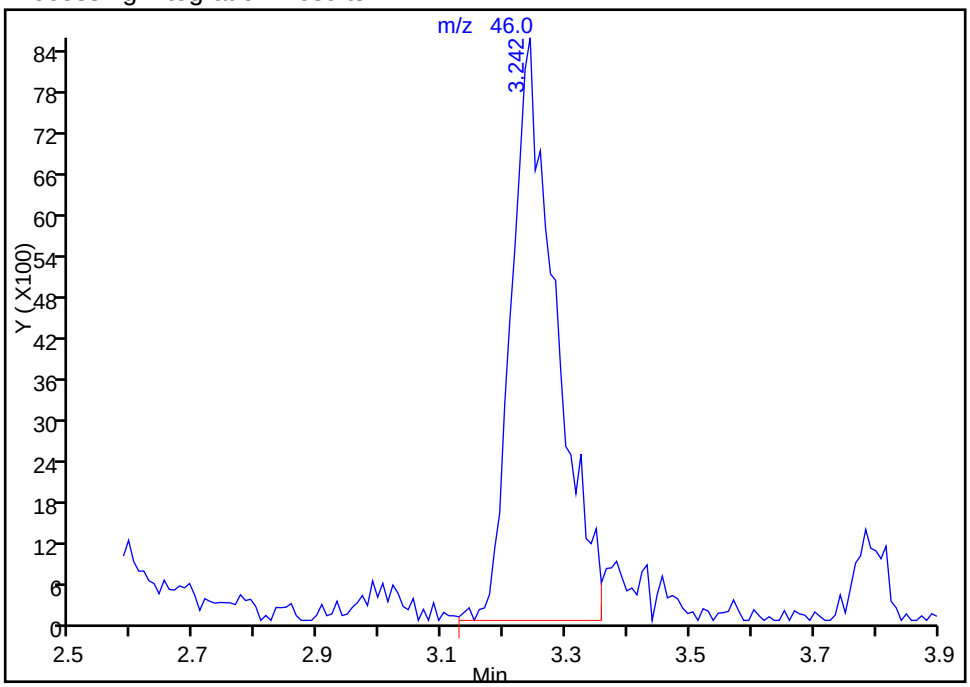
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Injection Date:	15-Apr-2017 05:33:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-A-3 MS				
Client ID:	18S-42017				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

* 26 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

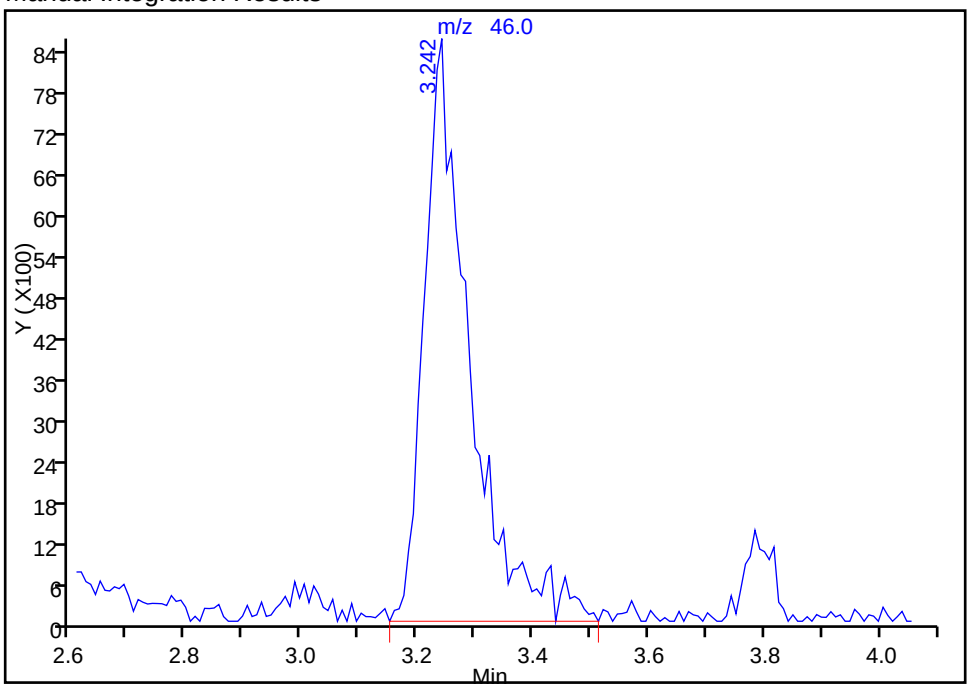
Processing Integration Results

RT: 3.24
Area: 42687
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 3.24
Area: 46609
Amount: 1000.0000
Amount Units: ug/l



Reviewer: delpolitov, 17-Apr-2017 16:06:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 18S-42017 MSD | Lab Sample ID: 460-131030-3 MSD

Matrix: Water | Lab File ID: F45842.D

Analysis Method: 8260C | Date Collected: 04/05/2017 11:57

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 05:55

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.7		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	12.7		1.0	0.34
79-00-5	1,1,2-Trichloroethane	19.2		1.0	0.080
75-34-3	1,1-Dichloroethane	20.1		1.0	0.24
75-35-4	1,1-Dichloroethene	17.2		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	19.3		1.0	0.35
120-82-1	1,2,4-Trichlorobenzene	19.8		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		1.0	0.23
95-50-1	1,2-Dichlorobenzene	21.1		1.0	0.22
107-06-2	1,2-Dichloroethane	20.6		1.0	0.25
78-87-5	1,2-Dichloropropane	17.6		1.0	0.18
541-73-1	1,3-Dichlorobenzene	20.6		1.0	0.33
106-46-7	1,4-Dichlorobenzene	20.0		1.0	0.33
123-91-1	1,4-Dioxane	502		50	8.7
78-93-3	2-Butanone (MEK)	106		5.0	2.2
591-78-6	2-Hexanone	102		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	106		5.0	0.63
67-64-1	Acetone	106		5.0	1.1
71-43-2	Benzene	19.8		1.0	0.090
75-25-2	Bromoform	18.3		1.0	0.18
74-83-9	Bromomethane	19.1		1.0	0.18
75-15-0	Carbon disulfide	15.0		1.0	0.22
56-23-5	Carbon tetrachloride	20.1		1.0	0.33
108-90-7	Chlorobenzene	20.4		1.0	0.24
74-97-5	Chlorobromomethane	21.6		1.0	0.30
124-48-1	Chlorodibromomethane	19.1		1.0	0.22
75-00-3	Chloroethane	17.7		1.0	0.37
67-66-3	Chloroform	21.5		1.0	0.22
74-87-3	Chloromethane	20.2		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	21.7		1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	16.7		1.0	0.16
110-82-7	Cyclohexane	16.1		1.0	0.26
75-27-4	Dichlorobromomethane	18.2		1.0	0.15
75-71-8	Dichlorodifluoromethane	16.7		1.0	0.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: 18S-42017 MSD | Lab Sample ID: 460-131030-3 MSD

Matrix: Water | Lab File ID: F45842.D

Analysis Method: 8260C | Date Collected: 04/05/2017 11:57

Sample wt/vol: 5(mL) | Date Analyzed: 04/15/2017 05:55

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.: 430489 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	20.2		1.0	0.30
106-93-4	Ethylene Dibromide	20.7		1.0	0.19
98-82-8	Isopropylbenzene	19.5		1.0	0.32
79-20-9	Methyl acetate	92.8		5.0	0.58
1634-04-4	Methyl tert-butyl ether	16.0		1.0	0.13
108-87-2	Methylcyclohexane	19.4		1.0	0.22
75-09-2	Methylene Chloride	19.2		1.0	0.21
179601-23-1	m-Xylene & p-Xylene	20.9		1.0	0.28
95-47-6	o-Xylene	19.9		1.0	0.32
100-42-5	Styrene	20.4		1.0	0.17
127-18-4	Tetrachloroethene	22.8		1.0	0.12
108-88-3	Toluene	20.4		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	20.7		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	17.2		1.0	0.19
79-01-6	Trichloroethene	29.9		1.0	0.22
75-69-4	Trichlorofluoromethane	17.4		1.0	0.15
75-01-4	Vinyl chloride	16.6		1.0	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		74-132
460-00-4	4-Bromofluorobenzene	97		77-124
1868-53-7	Dibromofluoromethane (Surr)	103		72-131
2037-26-5	Toluene-d8 (Surr)	95		80-120

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45842.D
Lims ID: 460-131030-A-3 MSD
Client ID: 18S-42017
Sample Type: MSD
Inject. Date: 15-Apr-2017 05:55:30 ALS Bottle#: 10 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-A-3 MSD
Misc. Info.: 460-0053757-015
Operator ID: Instrument ID: CVOAMS6

Method: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 17-Apr-2017 16:08:22 Calib Date: 21-Mar-2017 11:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS6\20170321-52699.b\F44769.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK028

First Level Reviewer: martineze Date: 15-Apr-2017 12:14:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	66	1.566	1.517	0.049	51	10484	20.0	14.7	M
2 Dichlorodifluoromethane	85	1.590	1.574	0.016	97	73270	20.0	16.7	
3 Chloromethane	50	1.747	1.738	0.009	99	96836	20.0	20.2	M
4 Vinyl chloride	62	1.837	1.812	0.025	88	80319	20.0	16.6	
5 Butadiene	54	1.845	1.837	0.008	93	59237	20.0	16.6	M
6 Bromomethane	94	2.141	2.116	0.025	97	57015	20.0	19.1	
7 Chloroethane	64	2.199	2.182	0.017	85	44772	20.0	17.7	
9 Trichlorofluoromethane	101	2.363	2.355	0.008	79	84818	20.0	17.4	
8 Dichlorofluoromethane	67	2.371	2.363	0.008	75	81596	20.0	13.4	
10 Pentane	72	2.396	2.388	0.008	96	14460	40.0	30.0	
12 Ethyl ether	59	2.593	2.585	0.008	91	36405	20.0	17.6	
13 2-Methyl-1,3-butadiene	53	2.609	2.609	0.000	96	38329	20.0	15.4	
11 Ethanol	46	2.667	2.618	0.049	1	10759	800.0	978.3	
14 1,2-Dichloro-1,1,2-trifluo	117	2.634	2.626	0.008	78	41232	20.0	18.0	
15 Acrolein	56	2.774	2.766	0.008	39	8985	40.0	30.6	
16 1,1,2-Trichloro-1,2,2-trif	101	2.782	2.782	0.000	65	36963	20.0	12.7	
17 1,1-Dichloroethene	96	2.798	2.790	0.008	99	44091	20.0	17.2	
18 Acetone	43	2.897	2.889	0.008	84	58328	100.0	106.0	
19 Iodomethane	142	2.954	2.946	0.008	99	88577	20.0	17.7	
21 Carbon disulfide	76	2.996	2.979	0.017	100	148299	20.0	15.0	
20 Isopropyl alcohol	45	2.971	2.987	-0.016	33	21554	200.0	148.5	
22 3-Chloro-1-propene	41	3.119	3.111	0.008	93	102500	20.0	16.7	
24 Methyl acetate	43	3.127	3.119	0.008	99	139847	100.0	92.8	
23 Cyclopentene	67	3.135	3.127	0.008	82	115040	20.0	18.0	
25 Acetonitrile	41	3.193	3.185	0.008	94	58994	200.0	174.5	
27 Methylene Chloride	84	3.242	3.234	0.008	92	58991	20.0	19.2	
* 26 TBA-d9 (IS)	46	3.250	3.234	0.016	75	45694	1000.0	1000.0	M
28 2-Methyl-2-propanol	59	3.308	3.300	0.008	28	43534	200.0	200.1	M
29 Methyl tert-butyl ether	73	3.398	3.398	0.000	96	124383	20.0	16.0	
30 trans-1,2-Dichloroethene	96	3.431	3.423	0.008	93	59331	20.0	20.7	
31 Acrylonitrile	53	3.505	3.497	0.008	93	148271	200.0	191.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Hexane	43	3.579	3.571	0.008	91	44809	20.0	16.5	
33 Isopropyl ether	45	3.793	3.784	0.009	90	162478	20.0	16.7	
34 1,1-Dichloroethane	63	3.825	3.817	0.008	99	102128	20.0	20.1	
35 Vinyl acetate	86	3.834	3.826	0.008	91	18818	40.0	45.1	
36 2-Chloro-1,3-butadiene	88	3.867	3.867	0.000	92	53139	20.0	22.9	
37 Tert-butyl ethyl ether	59	4.105	4.097	0.008	90	142118	20.0	16.4	
* 38 2-Butanone-d5	46	4.302	4.302	0.000	88	94723	250.0	250.0	
39 2,2-Dichloropropane	97	4.327	4.319	0.008	95	18270	20.0	17.3	
40 cis-1,2-Dichloroethene	96	4.343	4.335	0.008	95	68527	20.0	21.7	
42 Ethyl acetate	70	4.351	4.343	0.008	84	8569	40.0	41.7	
41 2-Butanone (MEK)	72	4.360	4.351	0.009	96	21884	100.0	105.9	
43 Methyl acrylate	55	4.409	4.409	0.000	89	29974	20.0	16.6	
44 Propionitrile	54	4.499	4.491	0.008	98	54720	200.0	194.1	
46 Tetrahydrofuran	72	4.573	4.565	0.008	55	11371	40.0	49.2	
45 Chlorobromomethane	128	4.565	4.565	0.000	80	33049	20.0	21.6	
47 Methacrylonitrile	67	4.590	4.590	0.000	92	180490	200.0	217.5	
48 Chloroform	83	4.614	4.614	0.000	97	105883	20.0	21.5	
49 Cyclohexane	84	4.754	4.746	0.008	91	72442	20.0	16.1	
50 1,1,1-Trichloroethane	97	4.770	4.762	0.008	96	101014	20.0	20.7	
$ 51 Dibromofluoromethane (Surr	113	4.779	4.770	0.009	97	115743	50.0	51.6	
52 Carbon tetrachloride	117	4.894	4.886	0.008	97	83563	20.0	20.1	
53 1,1-Dichloropropene	75	4.918	4.910	0.008	95	74985	20.0	19.7	
54 Isobutyl alcohol	43	5.033	5.033	0.000	89	63116	500.0	606.2	
55 Benzene	78	5.116	5.107	0.009	96	217618	20.0	19.8	
$ 56 1,2-Dichloroethane-d4 (Sur	65	5.132	5.124	0.008	97	138874	50.0	47.8	
57 Isopropyl acetate	43	5.165	5.165	0.000	91	143745	20.0	18.9	
58 Tert-amyl methyl ether	73	5.173	5.173	0.000	86	161048	20.0	19.4	
59 1,2-Dichloroethane	62	5.206	5.198	0.008	96	79631	20.0	20.6	
60 n-Heptane	57	5.255	5.255	0.000	92	39591	20.0	17.8	
* 61 Fluorobenzene	96	5.403	5.395	0.008	99	373432	50.0	50.0	
62 n-Butanol	56	5.691	5.699	-0.008	90	27436	500.0	445.0	
63 Trichloroethene	95	5.748	5.748	0.000	95	82370	20.0	29.9	
65 Ethyl acrylate	55	5.880	5.872	0.008	97	119726	20.0	17.5	
64 Methylcyclohexane	83	5.880	5.880	0.000	89	98614	20.0	19.4	
66 1,2-Dichloropropane	63	6.044	6.044	0.000	85	52165	20.0	17.6	
* 67 1,4-Dioxane-d8	96	6.102	6.110	-0.008	36	14258	1000.0	1000.0	
68 Methyl methacrylate	100	6.110	6.110	0.000	85	26417	40.0	44.5	
69 1,4-Dioxane	88	6.167	6.151	0.016	28	9245	400.0	501.8	
70 n-Propyl acetate	43	6.167	6.167	0.000	99	55951	20.0	17.2	
71 Dibromomethane	93	6.167	6.176	-0.009	76	32330	20.0	19.9	
72 Dichlorobromomethane	83	6.323	6.315	0.008	99	68710	20.0	18.2	
73 2-Nitropropane	41	6.660	6.660	0.000	98	22651	40.0	30.3	
75 Epichlorohydrin	57	6.767	6.767	0.000	100	72008	400.0	348.8	
76 cis-1,3-Dichloropropene	75	6.825	6.817	0.009	93	77715	20.0	16.7	
77 4-Methyl-2-pentanone (MIBK	43	6.989	6.989	0.000	96	226927	100.0	105.9	
$ 78 Toluene-d8 (Surr)	98	7.071	7.071	0.000	100	430548	50.0	47.3	
79 Toluene	91	7.145	7.145	0.000	94	234552	20.0	20.4	
80 trans-1,3-Dichloropropene	75	7.498	7.490	0.008	97	72045	20.0	17.2	
81 Ethyl methacrylate	69	7.523	7.523	0.000	89	62426	20.0	18.7	
82 1,1,2-Trichloroethane	83	7.712	7.712	0.000	95	38741	20.0	19.2	
83 Tetrachloroethene	166	7.761	7.753	0.008	95	73578	20.0	22.8	
84 1,3-Dichloropropane	76	7.926	7.926	0.000	94	74203	20.0	19.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 2-Hexanone	43	7.991	7.992	-0.001	95	141926	100.0	101.5	
86 n-Butyl acetate	43	8.098	8.098	0.000	99	72485	20.0	17.7	
87 Chlorodibromomethane	129	8.156	8.156	0.000	96	56031	20.0	19.1	
88 Ethylene Dibromide	107	8.312	8.312	0.000	97	47071	20.0	20.7	
* 89 Chlorobenzene-d5	117	8.862	8.863	0.000	85	334249	50.0	50.0	
90 Chlorobenzene	112	8.904	8.904	0.000	95	169976	20.0	20.4	
91 Ethylbenzene	106	9.002	9.002	0.000	98	94913	20.0	20.2	
92 1,1,1,2-Tetrachloroethane	131	9.019	9.019	0.000	93	68034	20.0	19.5	
93 m-Xylene & p-Xylene	106	9.158	9.158	0.000	95	123982	20.0	20.9	
94 n-Butyl acrylate	73	9.577	9.577	0.000	96	45296	20.0	19.7	
95 o-Xylene	106	9.594	9.586	0.008	95	124397	20.0	19.9	
96 Styrene	104	9.618	9.618	0.000	97	202950	20.0	20.4	
97 Amyl acetate (mixed isomer	43	9.791	9.791	0.000	92	109071	20.0	17.6	
98 Bromoform	173	9.816	9.816	0.000	96	43574	20.0	18.3	
99 Isopropylbenzene	105	9.931	9.931	0.000	96	316613	20.0	19.5	
$ 100 4-Bromofluorobenzene	174	10.103	10.103	0.000	95	189016	50.0	48.6	
101 Bromobenzene	156	10.218	10.218	0.000	87	94707	20.0	21.0	
102 1,1,2,2-Tetrachloroethane	83	10.251	10.251	0.000	98	66430	20.0	18.2	
103 N-Propylbenzene	91	10.276	10.276	0.000	99	374316	20.0	19.8	
104 1,2,3-Trichloropropane	110	10.292	10.292	0.000	95	22742	20.0	20.8	
105 trans-1,4-Dichloro-2-buten	53	10.309	10.309	0.000	84	18677	20.0	16.9	
106 2-Chlorotoluene	91	10.366	10.366	0.000	98	261018	20.0	20.2	
107 4-Ethyltoluene	105	10.374	10.374	0.000	98	336320	20.0	23.0	
108 1,3,5-Trimethylbenzene	105	10.424	10.424	0.000	94	282310	20.0	19.3	
109 4-Chlorotoluene	91	10.457	10.457	-0.001	97	235100	20.0	20.0	
110 Butyl Methacrylate	87	10.506	10.506	0.000	94	91583	20.0	17.8	
111 tert-Butylbenzene	119	10.662	10.654	0.008	96	244443	20.0	20.9	
112 1,2,4-Trimethylbenzene	105	10.703	10.703	0.000	97	291053	20.0	19.0	
113 sec-Butylbenzene	105	10.818	10.818	0.000	98	347439	20.0	19.2	
114 4-Isopropyltoluene	119	10.917	10.917	0.000	97	318685	20.0	19.3	
115 1,3-Dichlorobenzene	146	10.917	10.917	0.000	77	183149	20.0	20.6	
* 116 1,4-Dichlorobenzene-d4	152	10.966	10.966	0.000	93	235881	50.0	50.0	
117 1,4-Dichlorobenzene	146	10.982	10.982	0.000	96	184441	20.0	20.0	
132 1,2,3-Trimethylbenzene	105	10.999	10.999	0.000	0	299072	20.0	19.8	
118 Benzyl chloride	91	11.081	11.081	0.000	99	150641	20.0	19.1	
119 2,3-Dihydroindene	117	11.130	11.130	0.000	95	307234	20.0	20.6	
120 p-Diethylbenzene	119	11.163	11.163	0.000	94	184995	20.0	20.4	
121 n-Butylbenzene	92	11.180	11.180	0.000	98	153379	20.0	18.3	
122 1,2-Dichlorobenzene	146	11.229	11.229	0.000	98	177851	20.0	21.1	
123 1,2,4,5-Tetramethylbenzene	119	11.640	11.640	0.000	99	301279	20.0	20.1	
124 1,2-Dibromo-3-Chloropropan	75	11.714	11.714	0.000	93	12134	20.0	17.1	
125 1,3,5-Trichlorobenzene	180	11.804	11.804	0.000	97	148620	20.0	21.5	
126 1,2,4-Trichlorobenzene	180	12.207	12.207	0.000	94	132578	20.0	19.8	
127 Hexachlorobutadiene	225	12.272	12.273	-0.001	98	64568	20.0	18.8	
128 Naphthalene	128	12.387	12.388	-0.001	99	265692	20.0	22.6	
129 1,2,3-Trichlorobenzene	180	12.552	12.552	0.000	95	122106	20.0	19.3	
S 130 1,2-Dichloroethene, Total	100				0		40.0	42.4	
S 131 Xylenes, Total	100				0		40.0	40.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

8260MIX1COMB_00054	Amount Added:	20.00	Units: uL	
ACROLEIN W_00063	Amount Added:	4.00	Units: uL	
GASES Li_00202	Amount Added:	20.00	Units: uL	
8260ISNEW_00102	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00154	Amount Added:	1.00	Units: uL	Run Reagent

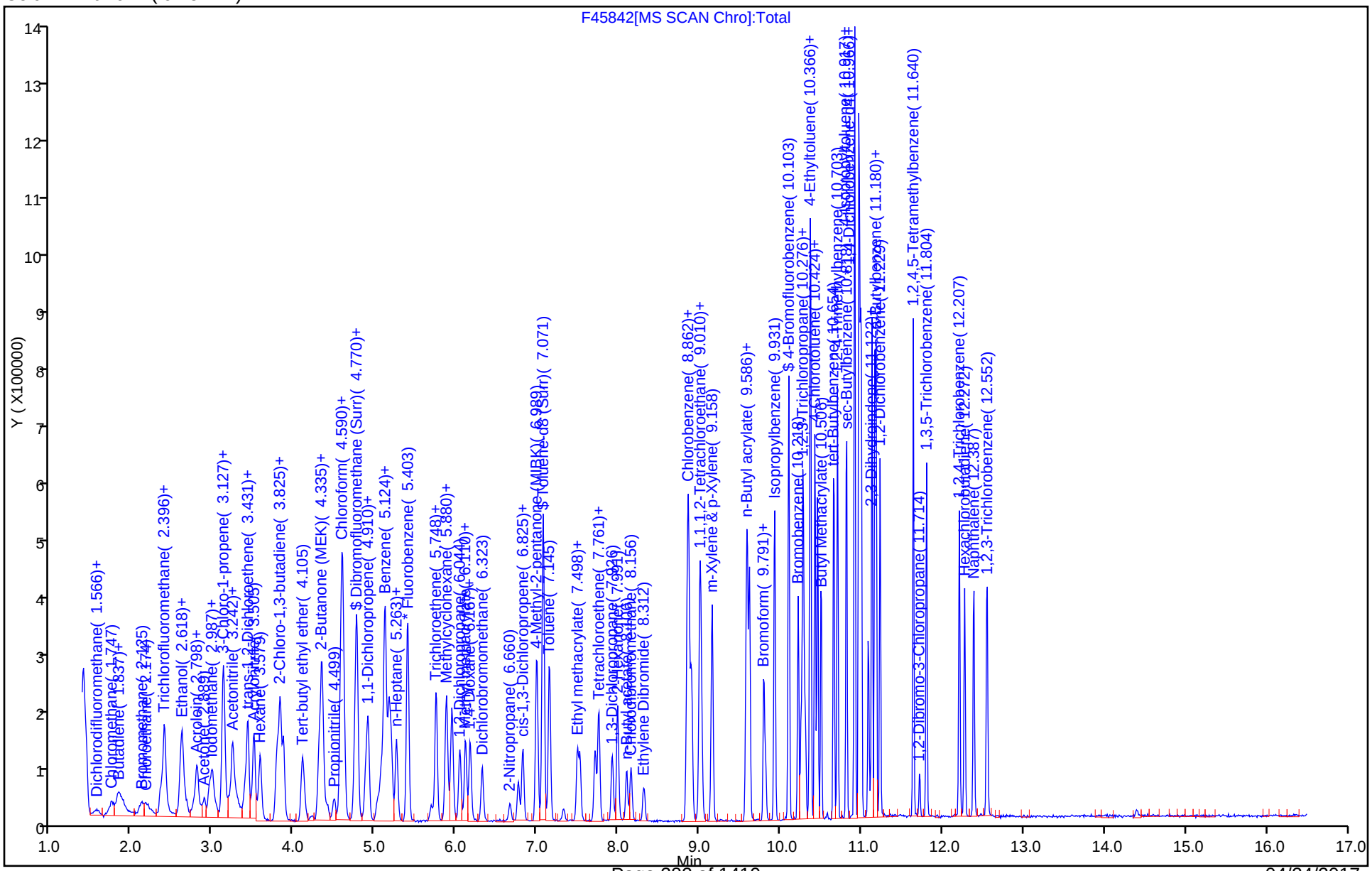
Report Date: 17-Apr-2017 16:08:23 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45842.D

Injection Date:	15-Apr-2017 05:55:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-131030-A-3 MSD			Worklist Smp#:	15
Client ID:	18S-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

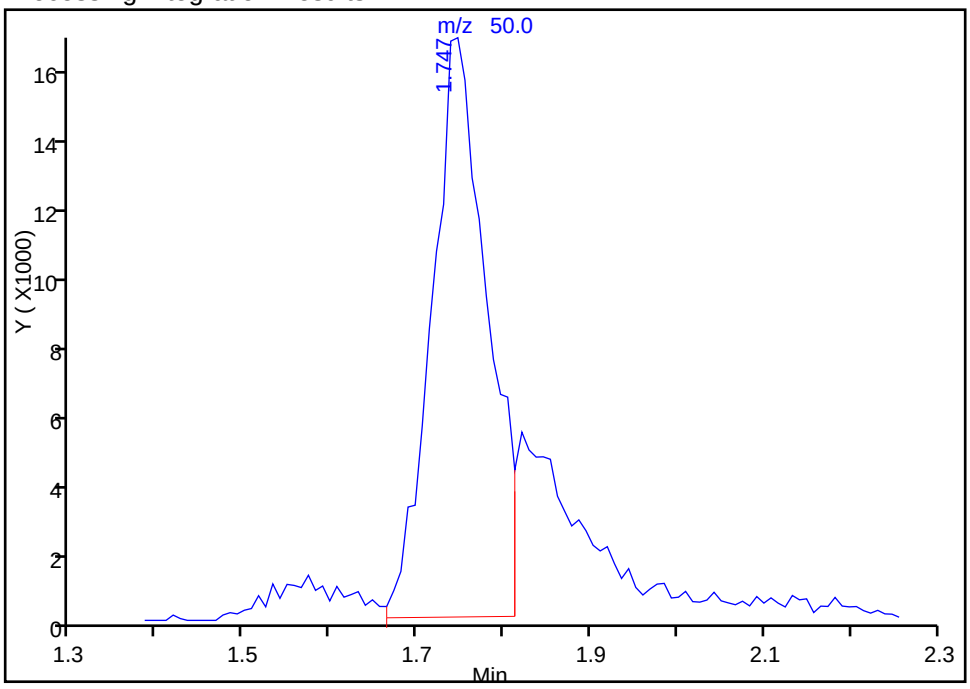
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Injection Date:	15-Apr-2017 05:55:30	Instrument ID:	CVOAMS6
Lims ID:	460-131030-A-3 MSD		
Client ID:	18S-42017		
Operator ID:		ALS Bottle#:	10 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

3 Chloromethane, CAS: 74-87-3

Signal: 1

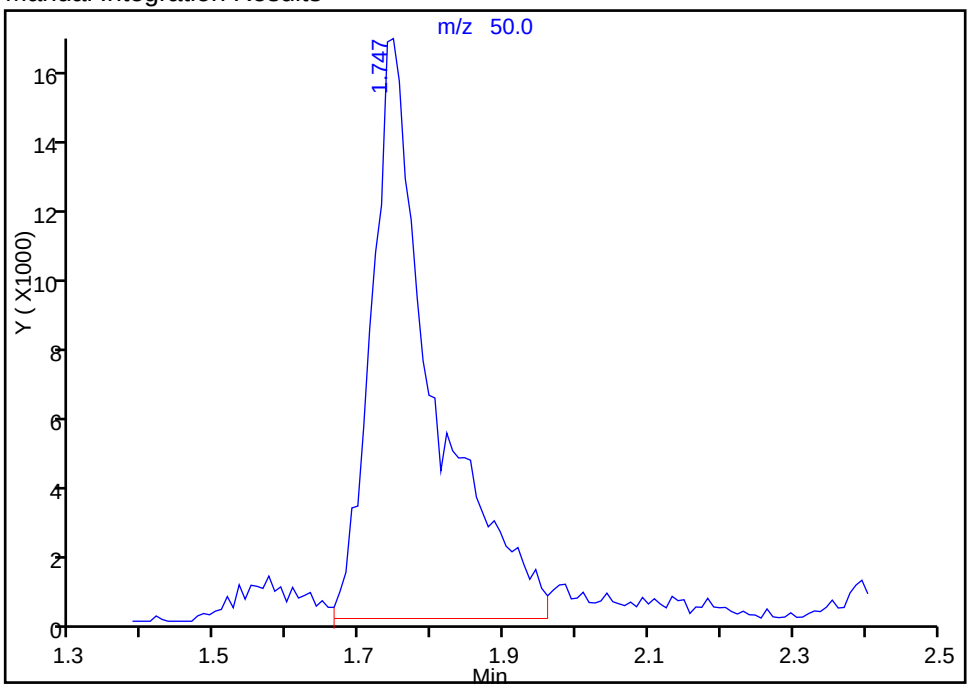
Processing Integration Results

RT: 1.75
Area: 72638
Amount: 15.138178
Amount Units: ug/l



Manual Integration Results

RT: 1.75
Area: 96836
Amount: 20.181181
Amount Units: ug/l



Reviewer: delpolitov, 17-Apr-2017 16:07:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

TestAmerica Edison

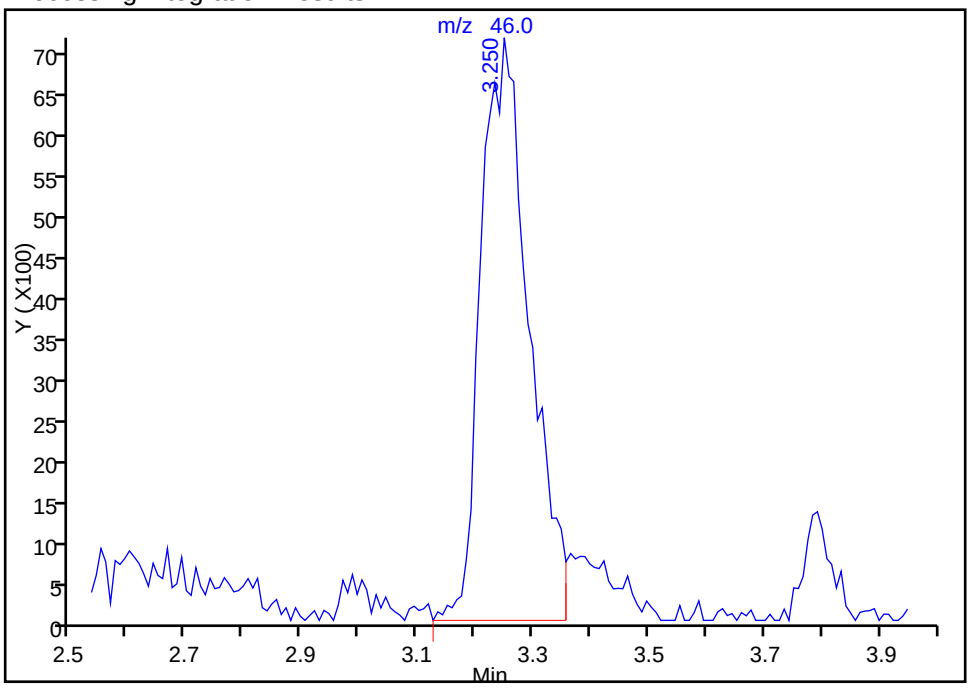
Data File:	\\ChromNA\Edison\ChromData\CVOAMS6\20170414-53757.b\F45842.D				
Injection Date:	15-Apr-2017 05:55:30	Instrument ID:	CVOAMS6		
Lims ID:	460-131030-A-3 MSD				
Client ID:	18S-42017				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

* 26 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

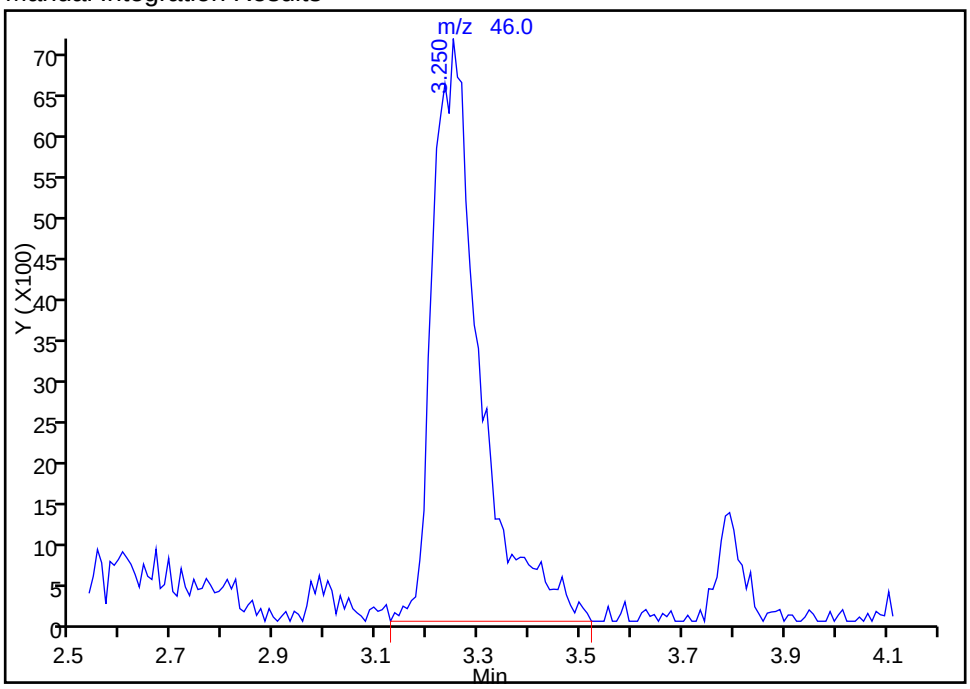
Processing Integration Results

RT: 3.25
Area: 41198
Amount: 1000.0000
Amount Units: ug/l



Manual Integration Results

RT: 3.25
Area: 45694
Amount: 1000.0000
Amount Units: ug/l



Reviewer: delpolitov, 17-Apr-2017 16:08:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: CVOAMS6 Start Date: 03/21/2017 02:26

Analysis Batch Number: 425448 End Date: 03/21/2017 12:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-425448/1		03/21/2017 02:26	1	F44753.D	Rtx-624 0.25(mm)
STD7 460-425448/3 IC		03/21/2017 03:09	1	F44755.D	Rtx-624 0.25(mm)
STD5 460-425448/5 IC		03/21/2017 03:55	1	F44757.D	Rtx-624 0.25(mm)
STD20 460-425448/6 ICIS		03/21/2017 04:18	1	F44758.D	Rtx-624 0.25(mm)
STD50 460-425448/7 IC		03/21/2017 04:41	1	F44759.D	Rtx-624 0.25(mm)
STD200 460-425448/8 IC		03/21/2017 05:04	1	F44760.D	Rtx-624 0.25(mm)
STD500 460-425448/9 IC		03/21/2017 05:27	1	F44761.D	Rtx-624 0.25(mm)
STD1 460-425448/17 IC		03/21/2017 11:24	1	F44769.D	Rtx-624 0.25(mm)
ICV 460-425448/18		03/21/2017 12:15	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: CVOAMS6 Start Date: 04/14/2017 23:51

Analysis Batch Number: 430489 End Date: 04/15/2017 09:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-430489/1		04/14/2017 23:51	1	F45828.D	Rtx-624 0.25(mm)
CCVIS 460-430489/3		04/15/2017 01:19	1	F45830.D	Rtx-624 0.25(mm)
LCS 460-430489/4		04/15/2017 01:42	1	F45831.D	Rtx-624 0.25(mm)
MB 460-430489/7		04/15/2017 02:51	1	F45834.D	Rtx-624 0.25(mm)
ZZZZZ		04/15/2017 03:14	1		Rtx-624 0.25(mm)
ZZZZZ		04/15/2017 03:37	1		Rtx-624 0.25(mm)
460-131030-6		04/15/2017 04:00	1	F45837.D	Rtx-624 0.25(mm)
460-131030-8		04/15/2017 04:23	1	F45838.D	Rtx-624 0.25(mm)
460-131030-3		04/15/2017 04:46	1	F45839.D	Rtx-624 0.25(mm)
ZZZZZ		04/15/2017 05:10	2		Rtx-624 0.25(mm)
460-131030-3 MS		04/15/2017 05:33	1	F45841.D	Rtx-624 0.25(mm)
460-131030-3 MSD		04/15/2017 05:55	1	F45842.D	Rtx-624 0.25(mm)
460-131030-1		04/15/2017 06:41	1	F45844.D	Rtx-624 0.25(mm)
460-131030-2		04/15/2017 07:04	1	F45845.D	Rtx-624 0.25(mm)
460-131030-4		04/15/2017 07:27	1	F45846.D	Rtx-624 0.25(mm)
ZZZZZ		04/15/2017 07:50	1		Rtx-624 0.25(mm)
460-131030-7		04/15/2017 08:13	1	F45848.D	Rtx-624 0.25(mm)
ZZZZZ		04/15/2017 08:36	1		Rtx-624 0.25(mm)
ZZZZZ		04/15/2017 08:59	1		Rtx-624 0.25(mm)
ZZZZZ		04/15/2017 09:22	1		Rtx-624 0.25(mm)
ZZZZZ		04/15/2017 09:45	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: CVOAMS6 Start Date: 04/17/2017 20:08

Analysis Batch Number: 430992 End Date: 04/18/2017 02:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-430992/1		04/17/2017 20:08	1	F45940.D	Rtx-624 0.25(mm)
STD7 460-430992/4 IC		04/17/2017 21:51	1	F45943.D	Rtx-624 0.25(mm)
STD1 460-430992/5 IC		04/17/2017 22:14	1	F45944.D	Rtx-624 0.25(mm)
STD5 460-430992/6 IC		04/17/2017 22:38	1	F45945.D	Rtx-624 0.25(mm)
STD20 460-430992/7 ICIS		04/17/2017 23:01	1	F45946.D	Rtx-624 0.25(mm)
STD50 460-430992/8 IC		04/17/2017 23:24	1	F45947.D	Rtx-624 0.25(mm)
STD200 460-430992/9 IC		04/17/2017 23:47	1	F45948.D	Rtx-624 0.25(mm)
STD500 460-430992/10 IC		04/18/2017 00:10	1	F45949.D	Rtx-624 0.25(mm)
ICV 460-430992/16		04/18/2017 02:28	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: CVOAMS6 Start Date: 04/18/2017 12:13

Analysis Batch Number: 431214 End Date: 04/18/2017 22:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-431214/1		04/18/2017 12:13	1	F45958.D	Rtx-624 0.25(mm)
CCVIS 460-431214/3		04/18/2017 12:57	1	F45960.D	Rtx-624 0.25(mm)
LCS 460-431214/4		04/18/2017 13:20	1	F45961.D	Rtx-624 0.25(mm)
LCSD 460-431214/5		04/18/2017 13:43	1	F45962.D	Rtx-624 0.25(mm)
MB 460-431214/8		04/18/2017 14:52	1	F45965.D	Rtx-624 0.25(mm)
460-131030-5		04/18/2017 15:16	1	F45966.D	Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 15:39	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 16:02	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 16:25	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 16:48	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 17:11	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 17:34	2		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 18:19	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 18:42	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 19:05	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 19:28	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 19:51	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 20:14	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 20:37	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 20:59	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 21:22	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 21:45	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 22:08	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 22:32	1		Rtx-624 0.25(mm)
ZZZZZ		04/18/2017 22:55	1		Rtx-624 0.25(mm)

8260C_SIM

Volatile Organic Compounds (GC/MS)

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DCA #	BFB #
18S-42017	460-131030-3	115	106
15S-42017	460-131030-4	116	85
3S-42017	460-131030-5	131	94
	MB 460-429360/7	132	110
	MB 460-429447/7	125	102
	LCS 460-429360/5	121	109
	LCS 460-429447/3	97	109
	LCSD 460-429360/6	117	109
	LCSD 460-429447/4	124	105

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	71-144
BFB = 4-Bromofluorobenzene	72-133

Column to be used to flag recovery values

FORM II 8260C SIM

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N04450.D

Lab ID: LCS 460-429360/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	5.00	5.09	102	66-135	

Column to be used to flag recovery and RPD values

FORM III 8260C SIM

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N04477.D

Lab ID: LCS 460-429447/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	5.00	5.37	107	66-135	

Column to be used to flag recovery and RPD values

FORM III 8260C SIM

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N04451.D

Lab ID: LCSD 460-429360/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	5.00	4.85	97	5	30	66-135	

Column to be used to flag recovery and RPD values

FORM III 8260C SIM

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N04478.D

Lab ID: LCSD 460-429447/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	5.00	5.34	107	1	30	66-135	

Column to be used to flag recovery and RPD values

FORM III 8260C SIM

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab File ID: N04452.D Lab Sample ID: MB 460-429360/7

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

Instrument ID: CVOAMS11 Date Analyzed: 04/10/2017 20:00

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-429360/5	N04450.D	04/10/2017 19:06
	LCSD 460-429360/6	N04451.D	04/10/2017 19:29
15S-42017	460-131030-4	N04464.D	04/11/2017 00:44
3S-42017	460-131030-5	N04465.D	04/11/2017 01:07

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab File ID: N04481.D Lab Sample ID: MB 460-429447/7

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

Instrument ID: CVOAMS11 Date Analyzed: 04/11/2017 07:53

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-429447/3	N04477.D	04/11/2017 06:13
	LCSD 460-429447/4	N04478.D	04/11/2017 06:35
18S-42017	460-131030-3	N04487.D	04/11/2017 10:09

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab File ID: N04189.D BFB Injection Date: 04/05/2017

Instrument ID: CVOAMS11 BFB Injection Time: 17:49

Analysis Batch No.: 428428

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.5	
75	30.0 - 60.0 % of mass 95	47.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	70.6	
175	5.0 - 9.0 % of mass 174	5.8	(8.3) 1
176	95.0 - 101.0 % of mass 174	69.1	(97.9) 1
177	5.0 - 9.0 % of mass 176	4.9	(7.1) 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
	STD5 460-428428/4	N04192.D	04/05/2017	19:02
	STD10 460-428428/5	N04193.D	04/05/2017	19:25
	STD20 460-428428/6	N04194.D	04/05/2017	19:48
	STD30 460-428428/7	N04195.D	04/05/2017	20:10
	STD40 460-428428/8	N04196.D	04/05/2017	20:33
	STD50 460-428428/9	N04197.D	04/05/2017	20:56
	STD1 460-428428/12	N04200.D	04/05/2017	22:49
	STD04 460-428428/13	N04201.D	04/05/2017	23:12

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab File ID: N04446.D BFB Injection Date: 04/10/2017

Instrument ID: CVOAMS11 BFB Injection Time: 16:52

Analysis Batch No.: 429360

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.8	
75	30.0 - 60.0 % of mass 95	47.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	69.6	
175	5.0 - 9.0 % of mass 174	5.5	(7.9) 1
176	95.0 - 101.0 % of mass 174	67.8	(97.3) 1
177	5.0 - 9.0 % of mass 176	4.5	(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 460-429360/4	N04449.D	04/10/2017	18:33
	LCS 460-429360/5	N04450.D	04/10/2017	19:06
	LCSD 460-429360/6	N04451.D	04/10/2017	19:29
	MB 460-429360/7	N04452.D	04/10/2017	20:00
15S-42017	460-131030-4	N04464.D	04/11/2017	00:44
3S-42017	460-131030-5	N04465.D	04/11/2017	01:07

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab File ID: N04475.D BFB Injection Date: 04/11/2017

Instrument ID: CVOAMS11 BFB Injection Time: 05:05

Analysis Batch No.: 429447

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.5	
75	30.0 - 60.0 % of mass 95	48.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	68.6	
175	5.0 - 9.0 % of mass 174	5.8	(8.4) 1
176	95.0 - 101.0 % of mass 174	67.7	(98.6) 1
177	5.0 - 9.0 % of mass 176	4.4	(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 460-429447/2	N04476.D	04/11/2017	05:50
	LCS 460-429447/3	N04477.D	04/11/2017	06:13
	LCSD 460-429447/4	N04478.D	04/11/2017	06:35
	MB 460-429447/7	N04481.D	04/11/2017	07:53
18S-42017	460-131030-3	N04487.D	04/11/2017	10:09

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Sample No.: CCVIS 460-429360/4 Date Analyzed: 04/10/2017 18:33

Instrument ID: CVOAMS11 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): N04449.D Heated Purge: (Y/N) N

Calibration ID: 61630

		FB		DXE		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		20985	3.78	1208	4.49	14593	7.40
UPPER LIMIT		41970	4.28	2416	4.99	29186	7.90
LOWER LIMIT		10493	3.28	604	3.99	7297	6.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-429360/5		17623	3.78	950	4.49	12799	7.40
LCSD 460-429360/6		17397	3.78	964	4.49	12296	7.40
MB 460-429360/7		18796	3.78	1276	4.49	13588	7.40
460-131030-4	15S-42017	25739	3.78	1404	4.50	13253	7.40
460-131030-5	3S-42017	26537	3.78	1146	4.49	13901	7.40

FB = Fluorobenzene
DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

FORM VIII 8260C SIM

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Sample No.: CCVIS 460-429447/2 Date Analyzed: 04/11/2017 05:50

Instrument ID: CVOAMS11 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): N04476.D Heated Purge: (Y/N) N

Calibration ID: 61630

		FB		DXE		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		19874	3.78	841	4.50	13541	7.40
UPPER LIMIT		39748	4.28	1682	5.00	27082	7.90
LOWER LIMIT		9937	3.28	421	4.00	6771	6.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-429447/3		16489	3.78	805	4.49	12641	7.40
LCSD 460-429447/4		20972	3.78	988	4.49	13072	7.40
MB 460-429447/7		21463	3.78	977	4.50	12935	7.40
460-131030-3	18S-42017	19378	3.78	988	4.49	12916	7.40

FB = Fluorobenzene
DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5

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

Column used to flag values outside QC limits

FORM VIII 8260C SIM

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: 18S-42017 Lab Sample ID: 460-131030-3

Matrix: Water Lab File ID: N04487.D

Analysis Method: 8260C SIM Date Collected: 04/05/2017 11:57

Sample wt/vol: 5(mL) Date Analyzed: 04/11/2017 10:09

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 429447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.40	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		71-144
460-00-4	4-Bromofluorobenzene	106		72-133

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04487.D
Lims ID: 460-131030-D-3
Client ID: 18S-42017
Sample Type: Client
Inject. Date: 11-Apr-2017 10:09:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-D-3
Misc. Info.: 460-0053554-013
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Apr-2017 15:23:37 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: sarmientod Date: 11-Apr-2017 15:24:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.778	3.779	-0.001	100	19378	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.487	0.000	99	988	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	12916	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	98	4844	0.5775	
$ 5 4-Bromofluorobenzene	95	9.124	9.124	0.000	100	12770	0.5295	

Reagents:

SimissurNEW_00004 Amount Added: 2.00 Units: uL Run Reagent

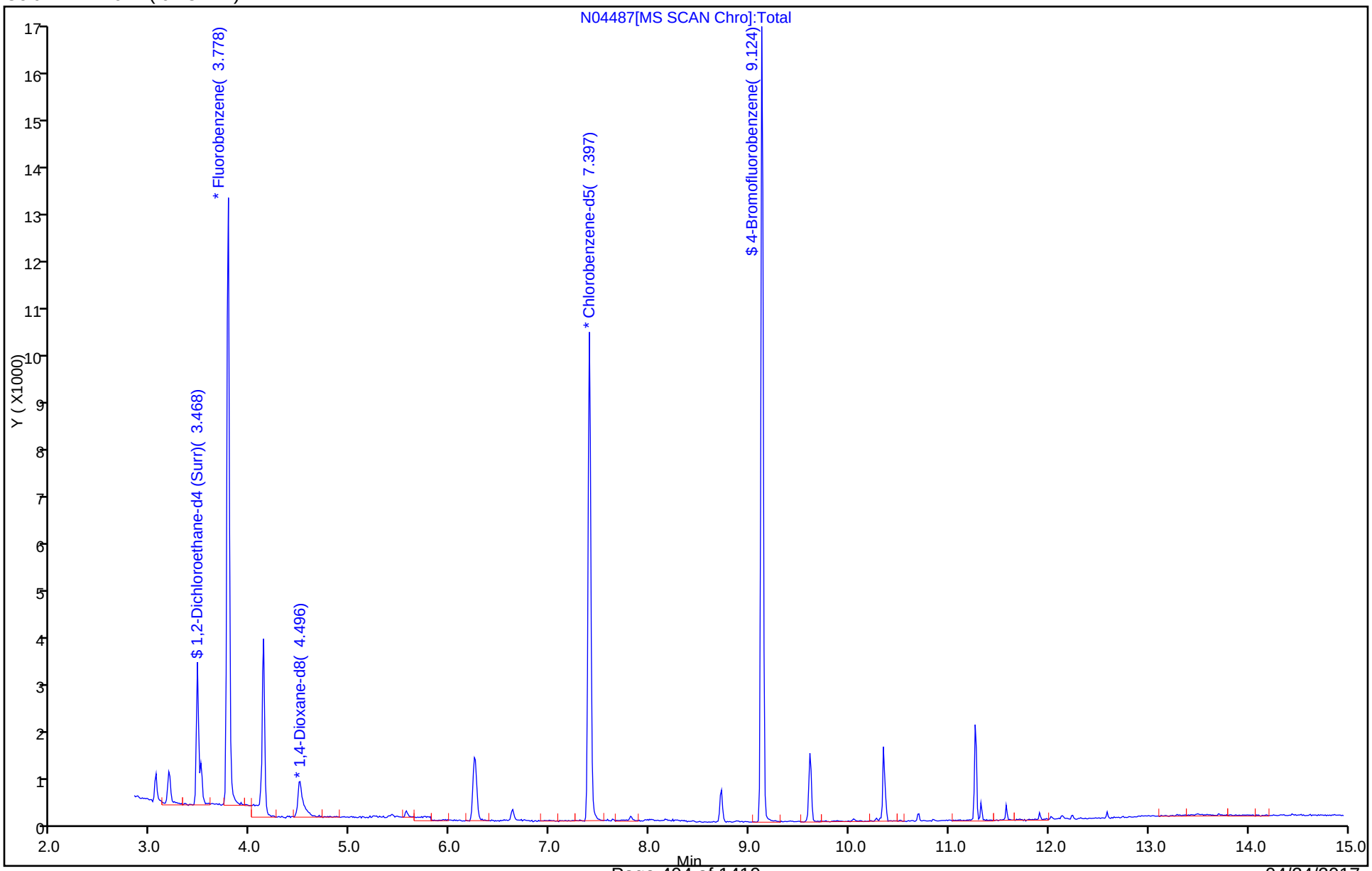
Report Date: 11-Apr-2017 15:24:35 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04487.D

Injection Date:	11-Apr-2017 10:09:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	460-131030-D-3	Lab Sample ID:	460-131030-3	Worklist Smp#:	13
Client ID:	18S-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: 15S-42017 Lab Sample ID: 460-131030-4

Matrix: Water Lab File ID: N04464.D

Analysis Method: 8260C SIM Date Collected: 04/05/2017 12:20

Sample wt/vol: 5(mL) Date Analyzed: 04/11/2017 00:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 429360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.40	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		71-144
460-00-4	4-Bromofluorobenzene	85		72-133

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04464.D
Lims ID: 460-131030-D-4
Client ID: 15S-42017
Sample Type: Client
Inject. Date: 11-Apr-2017 00:44:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-D-4
Misc. Info.: 460-0053532-019
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Apr-2017 12:25:02 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: baronm Date: 12-Apr-2017 12:25:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.779	3.779	0.000	100	25739	0.5000	
* 2 1,4-Dioxane-d8	64	4.496	4.487	0.009	4	1404	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	13253	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	98	6464	0.5802	
$ 5 4-Bromofluorobenzene	95	9.124	9.124	0.000	100	10571	0.4271	

Reagents:

SimissurNEW_00004 Amount Added: 2.00 Units: uL Run Reagent

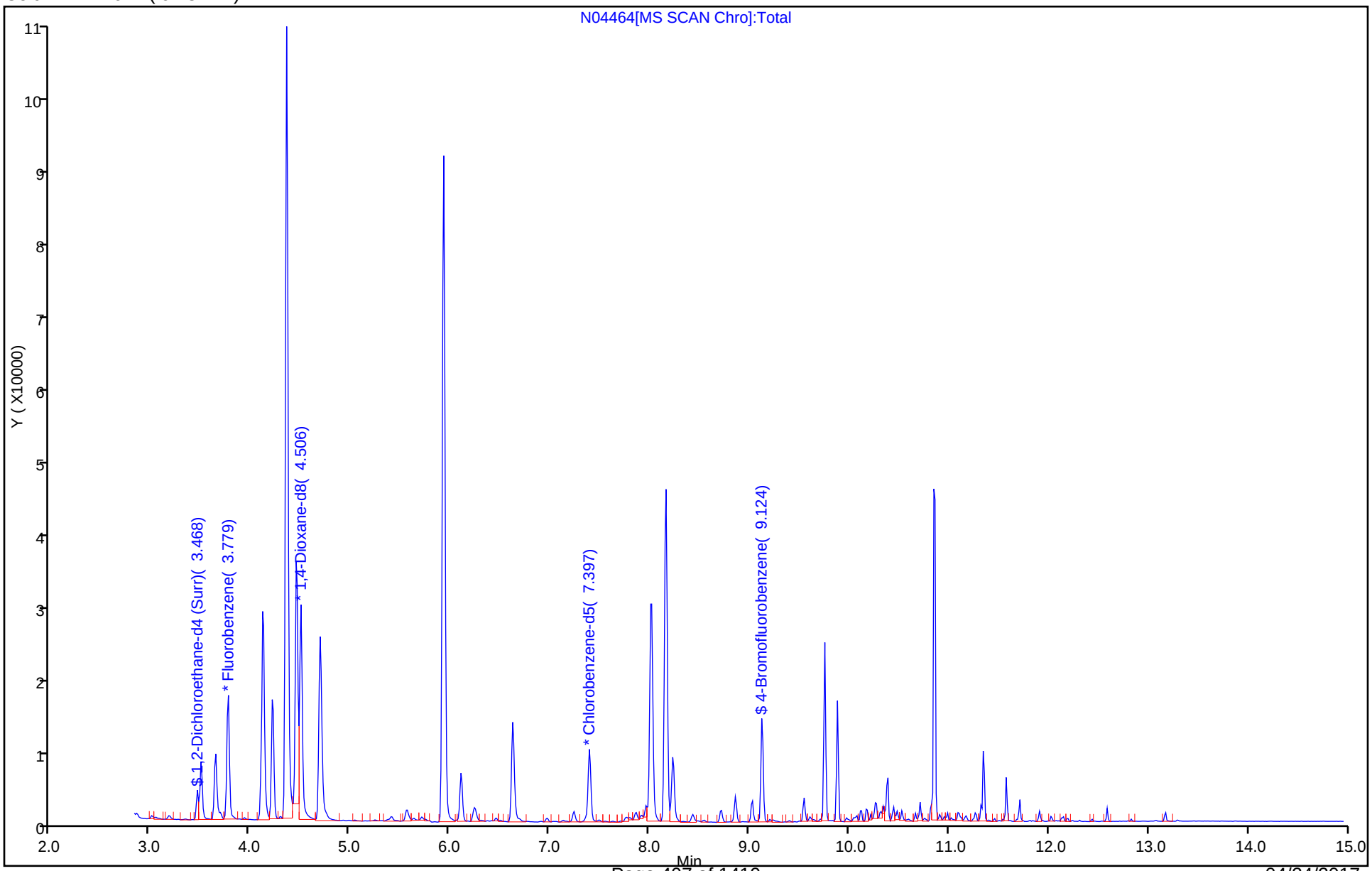
Report Date: 12-Apr-2017 12:25:02 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04464.D

Injection Date:	11-Apr-2017 00:44:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	460-131030-D-4	Lab Sample ID:	460-131030-4	Worklist Smp#:	19
Client ID:	15S-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: 3S-42017 Lab Sample ID: 460-131030-5

Matrix: Water Lab File ID: N04465.D

Analysis Method: 8260C SIM Date Collected: 04/05/2017 12:40

Sample wt/vol: 5(mL) Date Analyzed: 04/11/2017 01:07

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 429360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.40	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	131		71-144
460-00-4	4-Bromofluorobenzene	94		72-133

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04465.D
Lims ID: 460-131030-D-5
Client ID: 3S-42017
Sample Type: Client
Inject. Date: 11-Apr-2017 01:07:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-131030-D-5
Misc. Info.: 460-0053532-020
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Apr-2017 12:25:02 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: tupayachia Date: 11-Apr-2017 12:07:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.779	3.779	-0.001	100	26537	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.487	0.000	95	1146	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	13901	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	98	7505	0.6534	
$ 5 4-Bromofluorobenzene	95	9.124	9.124	0.000	99	12247	0.4718	

Reagents:

SimissurNEW_00004 Amount Added: 2.00 Units: uL Run Reagent

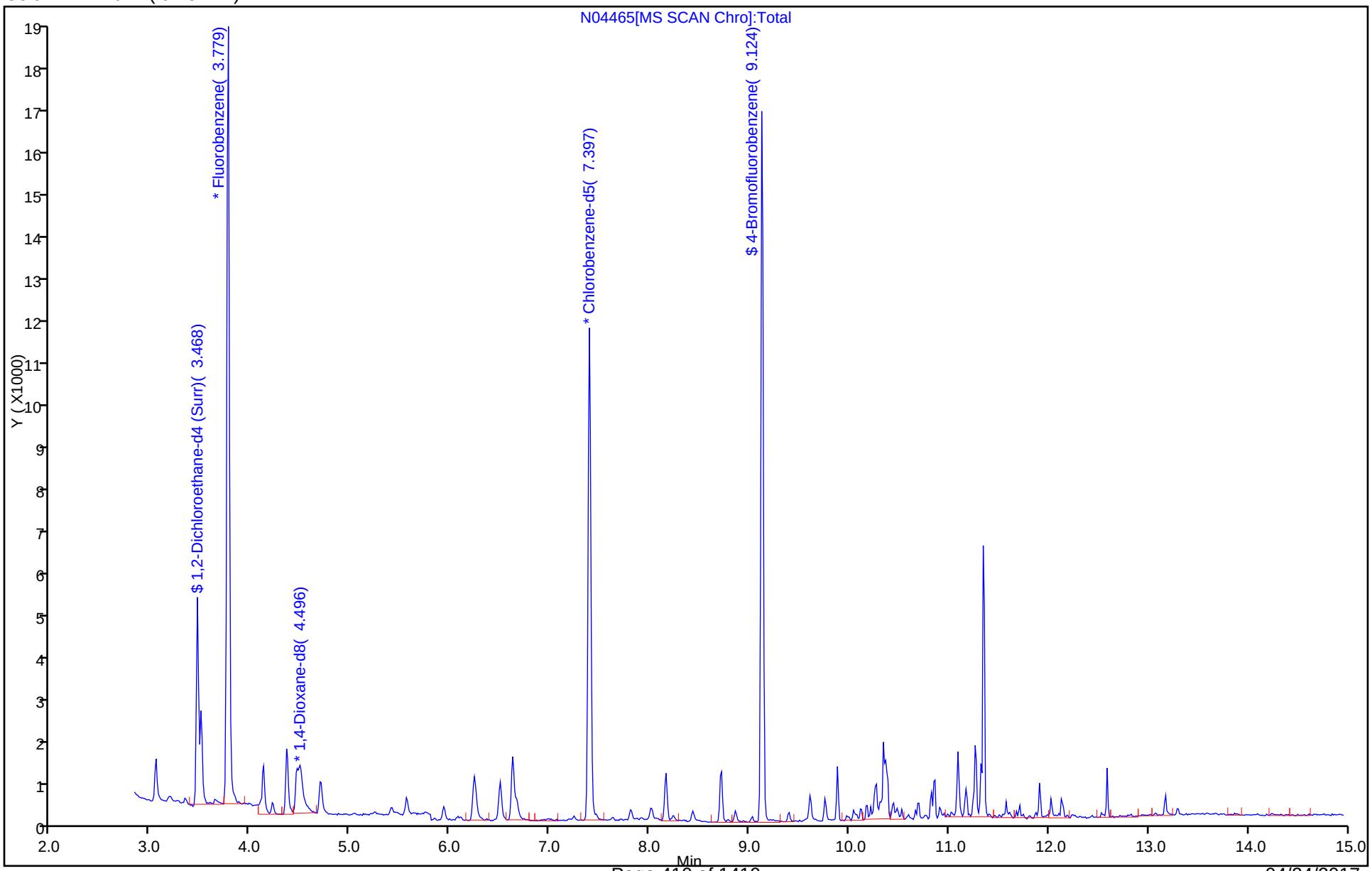
Report Date: 12-Apr-2017 12:25:34 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04465.D

Injection Date:	11-Apr-2017 01:07:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	460-131030-D-5	Lab Sample ID:	460-131030-5	Worklist Smp#:	20
Client ID:	3S-42017				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 428428

SDG No.:

Instrument ID: CVOAMS11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2017 19:02 Calibration End Date: 04/05/2017 23:12 Calibration ID: 61630

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD04 460-428428/13	N04201.D
Level 2	STD1 460-428428/12	N04200.D
Level 3	STD5 460-428428/4	N04192.D
Level 4	STD10 460-428428/5	N04193.D
Level 5	STD20 460-428428/6	N04194.D
Level 6	STD30 460-428428/7	N04195.D
Level 7	STD40 460-428428/8	N04196.D
Level 8	STD50 460-428428/9	N04197.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	2.1611 1.7063	1.8674 1.6993	1.8830 1.7252	1.6874	1.7524	Ave		1.8102				8.9		20.0			
Ethylene Dibromide	0.3806 0.2604	0.3070 0.3025	0.3010 0.2380	0.2920	0.2843	Ave		0.2957			0.1000	14.1		20.0			
1,2,3-Trichloropropane	0.6061 0.4362	0.5292 0.4778	0.5429 0.3952	0.4727	0.4438	Ave		0.4880				13.9		20.0			
1,2-Dibromo-3-Chloropropane	0.2220 0.1397	0.1802 0.1558	0.1701 0.1343	0.1445	0.1353	Ave		0.1602			0.0500	18.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2163 0.2255	0.2192 0.2139	0.2088 0.2187	0.2194	0.2096	Ave		0.2164				2.6		20.0			
4-Bromofluorobenzene	0.9353 0.9363	0.9701 0.9085	0.9519 0.9204	0.9157	0.9311	Ave		0.9337				2.1		20.0			

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

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

Lab Name: TestAmerica Edison Job No.: 460-131030-1 Analy Batch No.: 428428

SDG No.:

Instrument ID: CVOAMS11 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/05/2017 19:02 Calibration End Date: 04/05/2017 23:12 Calibration ID: 61630

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD04 460-428428/13	N04201.D
Level 2	STD1 460-428428/12	N04200.D
Level 3	STD5 460-428428/4	N04192.D
Level 4	STD10 460-428428/5	N04193.D
Level 5	STD20 460-428428/6	N04194.D
Level 6	STD30 460-428428/7	N04195.D
Level 7	STD40 460-428428/8	N04196.D
Level 8	STD50 460-428428/9	N04197.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DXE	Ave	95 4822	214 7341	853 7962	1711	2944	0.400 30.0	1.00 40.0	5.00 50.0	10.0	20.0
Ethylene Dibromide	CBNZ d5	Ave	216 3912	351 8557	423 12809	879	1664	0.0200 0.500	0.0400 1.00	0.0500 2.00	0.100	0.200
1,2,3-Trichloropropane	CBNZ d5	Ave	344 6552	605 13518	763 21266	1423	2598	0.0200 0.500	0.0400 1.00	0.0500 2.00	0.100	0.200
1,2-Dibromo-3-Chloropropane	CBNZ d5	Ave	126 2099	206 4408	239 7226	435	792	0.0200 0.500	0.0400 1.00	0.0500 2.00	0.100	0.200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	7305 7128	6876 7062	6212 6517	7019	6472	0.500 0.500	0.500 0.500	0.500 0.500	0.500	0.500
4-Bromofluorobenzene	CBNZ d5	Ave	13277 14070	13870 12857	13383 12388	13789	13632	0.500 0.500	0.500 0.500	0.500 0.500	0.500	0.500

Curve Type Legend:
Ave = Average ISTD

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04192.D
Lims ID: STD5
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 05-Apr-2017 19:02:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0053338-004
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260SIMW11*sub21

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2017 13:49:03 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: kluseys Date: 05-Apr-2017 19:39:21

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	3.779	3.779	0.000	98	29730	0.5000	0.5000	
*	2 1,4-Dioxane-d8	64	4.487	4.487	0.000	97	906	10.0	10.0	
*	3 Chlorobenzene-d5	82	7.397	7.397	0.000	95	14053	0.5000	0.5000	
$	4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	100	6212	0.5003	0.4827	
$	5 4-Bromofluorobenzene	95	9.125	9.125	0.000	91	13383	0.5002	0.5100	
	7 1,4-Dioxane	88	4.545	4.545	0.000	98	853	5.00	5.20	
	8 Ethylene Dibromide	107	6.734	6.734	0.000	92	423	0.0500	0.0509	
	9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	98	763	0.0500	0.0556	
	10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	78	239	0.0500	0.0531	

Reagents:

SIMDIOX50_00007	Amount Added: 20.00	Units: uL	
VMMIX1SIM_00096	Amount Added: 1.00	Units: uL	
SimBenChlorof_00002	Amount Added: 1.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

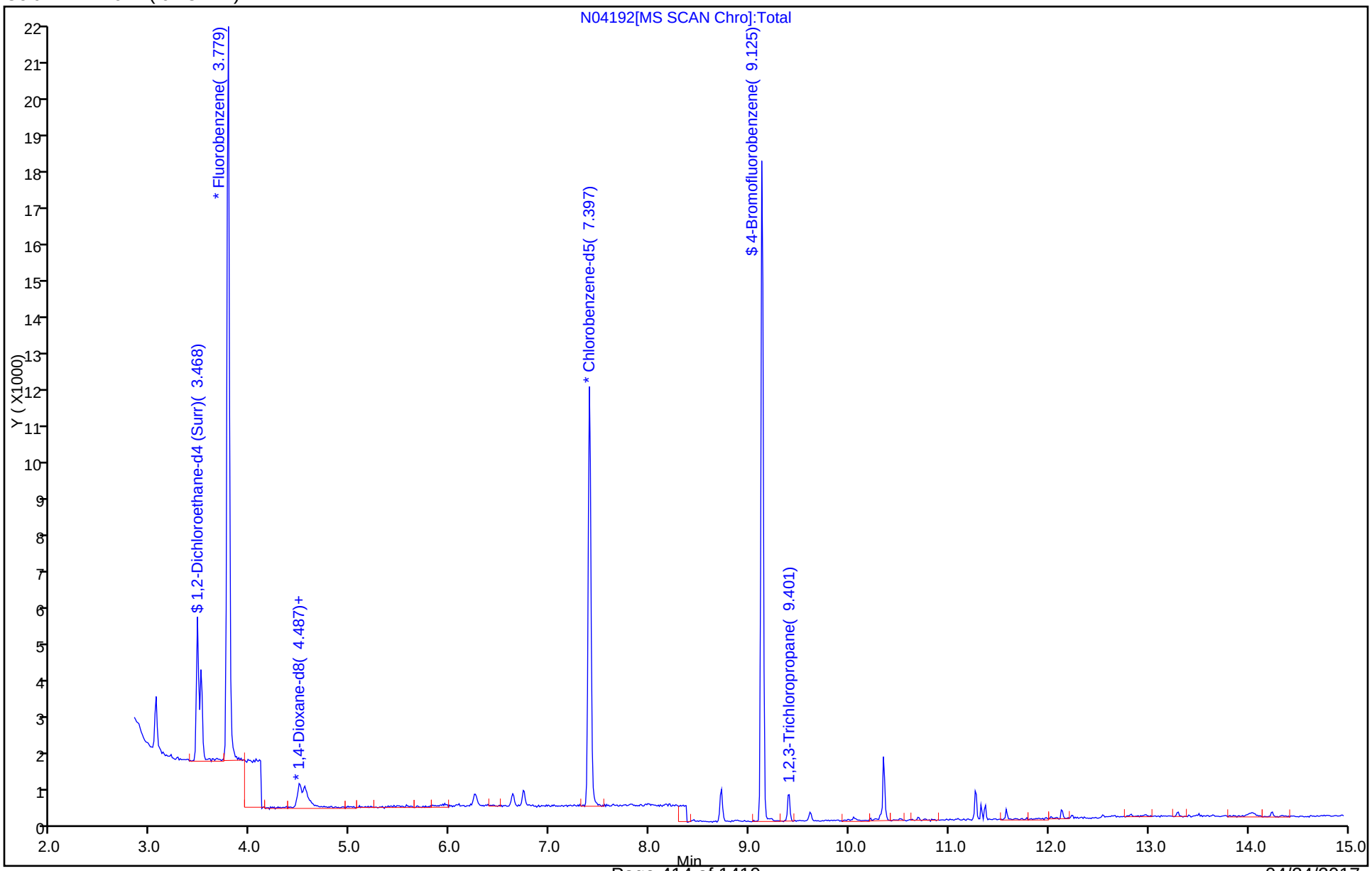
Report Date: 07-Apr-2017 13:49:05 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04192.D

Injection Date:	05-Apr-2017 19:02:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	STD5			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04193.D
Lims ID: STD10
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Apr-2017 19:25:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD10
Misc. Info.: 460-0053338-005
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260SIMW11*sub21

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2017 13:49:07 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: kluseys Date: 05-Apr-2017 19:57:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.779	3.779	0.000	98	31970	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.487	0.000	93	1014	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	95	15053	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	100	7019	0.5003	0.5072	
$ 5 4-Bromofluorobenzene	95	9.125	9.125	0.000	91	13789	0.5002	0.4906	
7 1,4-Dioxane	88	4.545	4.545	0.000	88	1711	10.0	9.32	
8 Ethylene Dibromide	107	6.734	6.734	0.000	91	879	0.1000	0.0987	
9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	98	1423	0.1000	0.0969	
10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	81	435	0.1000	0.0902	

Reagents:

SIMDIOX50_00007	Amount Added: 20.00	Units: uL	
VMMIX1SIM_00096	Amount Added: 1.00	Units: uL	
SimBenChlorof_00002	Amount Added: 1.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

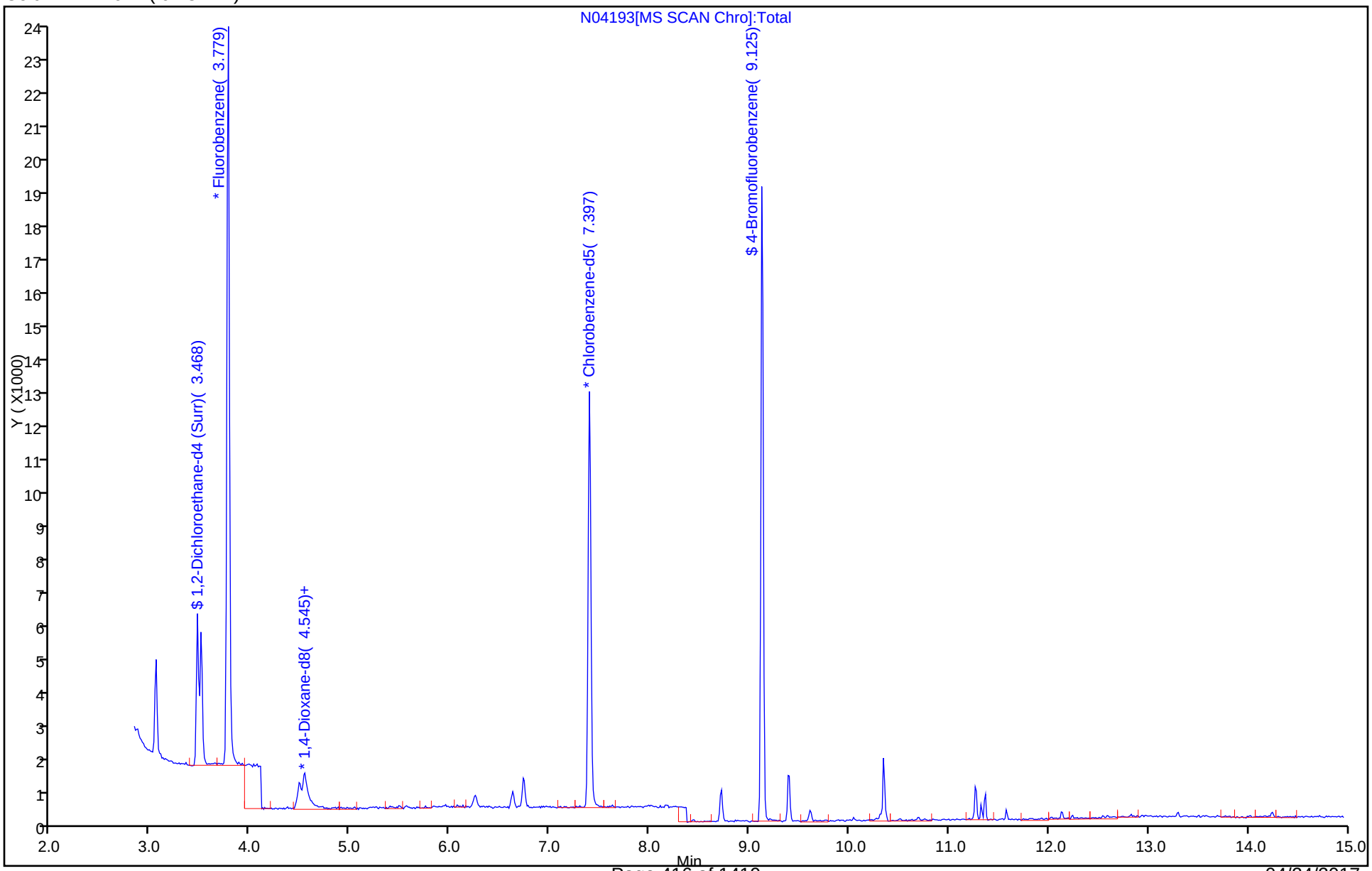
Report Date: 07-Apr-2017 13:49:08 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04193.D

Injection Date:	05-Apr-2017 19:25:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	STD10			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04194.D
Lims ID: STD20
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Apr-2017 19:48:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0053338-006
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260SIMW11*sub21

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2017 13:49:10 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: kluseys Date: 05-Apr-2017 21:30:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.778	3.779	-0.001	100	30851	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.487	0.000	99	840	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	14635	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	98	6472	0.5003	0.4847	
$ 5 4-Bromofluorobenzene	95	9.124	9.125	-0.001	99	13632	0.5002	0.4988	
7 1,4-Dioxane	88	4.544	4.545	-0.001	100	2944	20.0	19.4	
8 Ethylene Dibromide	107	6.734	6.734	0.000	100	1664	0.2000	0.1922	
9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	100	2598	0.2000	0.1819	
10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	98	792	0.2000	0.1689	

Reagents:

SIMDIOX50_00007	Amount Added: 20.00	Units: uL	
VMMIX1SIM_00096	Amount Added: 1.00	Units: uL	
SimBenChlorof_00002	Amount Added: 1.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

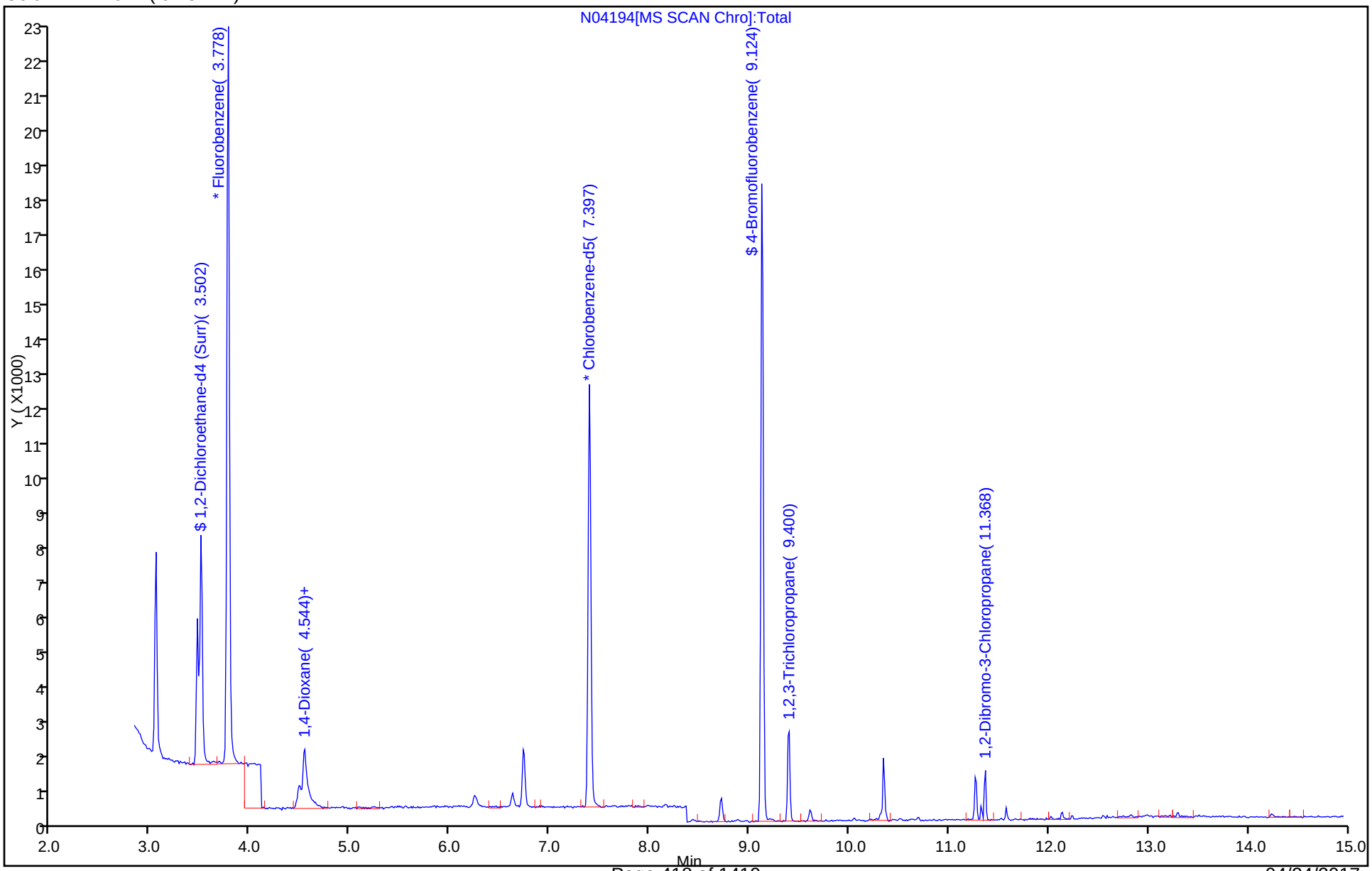
Report Date: 07-Apr-2017 13:49:12 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04194.D

Injection Date:	05-Apr-2017 19:48:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	STD20			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04195.D
Lims ID: STD30
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-Apr-2017 20:10:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD30
Misc. Info.: 460-0053338-007
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260SIMW11*sub21

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2017 13:49:14 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: kluseys Date: 05-Apr-2017 21:29:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.779	3.779	0.000	100	31586	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.487	0.000	96	942	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	15021	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	100	7128	0.5003	0.5214	
$ 5 4-Bromofluorobenzene	95	9.124	9.125	-0.001	100	14070	0.5002	0.5016	
7 1,4-Dioxane	88	4.545	4.545	0.000	100	4822	30.0	28.3	
8 Ethylene Dibromide	107	6.734	6.734	0.000	100	3912	0.5000	0.4403	
9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	100	6552	0.5000	0.4469	
10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	97	2099	0.5000	0.4360	

Reagents:

SIMDIOX50_00007	Amount Added: 30.00	Units: uL	
VMMIX1SIM_00096	Amount Added: 2.50	Units: uL	
SimBenChlorof_00002	Amount Added: 2.50	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

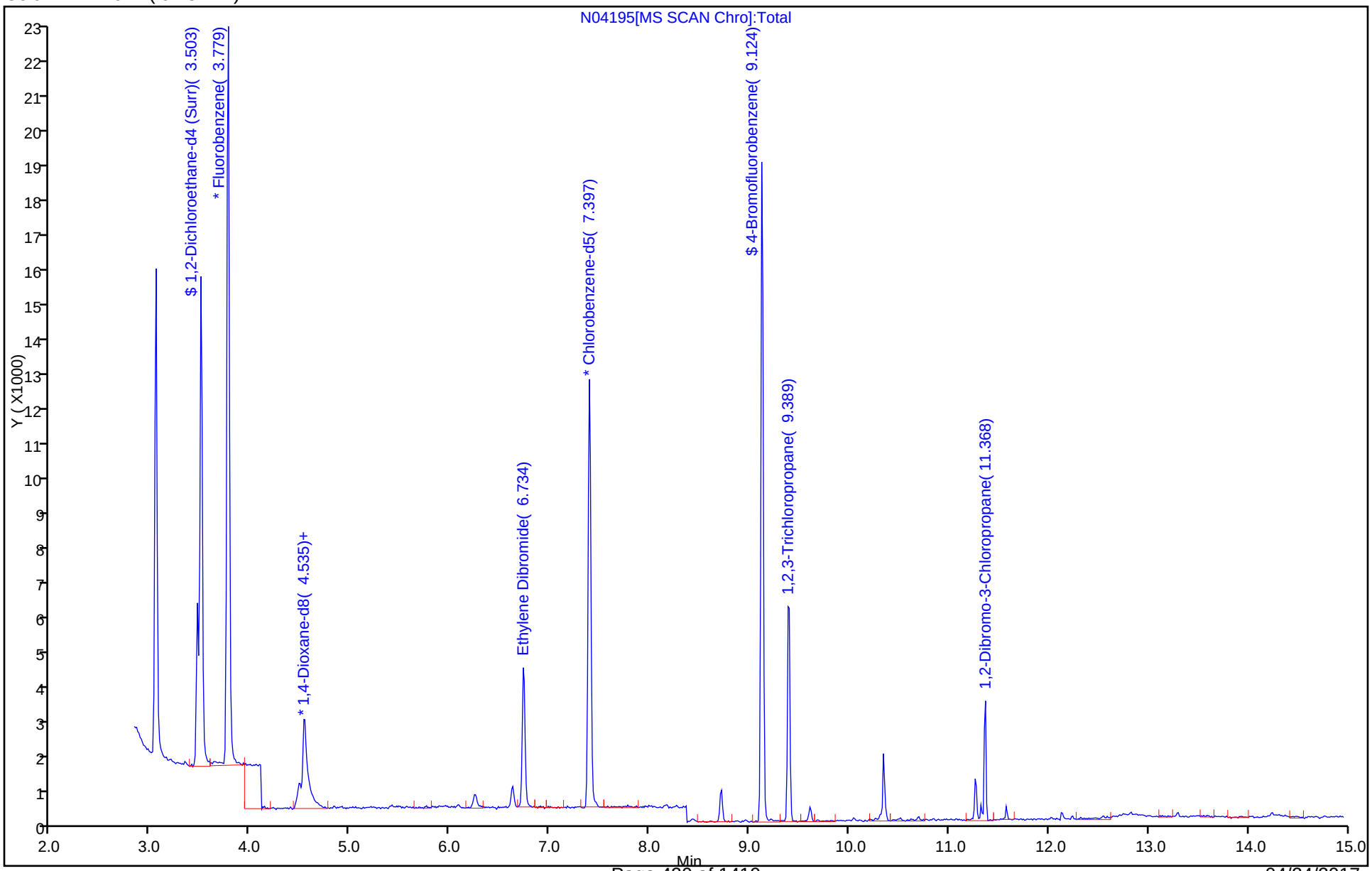
Report Date: 07-Apr-2017 13:49:15 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04195.D

Injection Date:	05-Apr-2017 20:10:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	STD30			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04196.D
Lims ID: STD40
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Apr-2017 20:33:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD40
Misc. Info.: 460-0053338-008
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260SIMW11*sub21

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2017 13:49:17 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: kluseys Date: 05-Apr-2017 21:29:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.779	3.779	0.000	100	33002	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.487	0.000	99	1080	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	14146	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	100	7062	0.5003	0.4944	
$ 5 4-Bromofluorobenzene	95	9.124	9.125	-0.001	100	12857	0.5002	0.4867	
7 1,4-Dioxane	88	4.544	4.545	-0.001	100	7341	40.0	37.5	
8 Ethylene Dibromide	107	6.734	6.734	0.000	100	8557	1.00	1.02	
9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	100	13518	1.00	0.9791	
10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	100	4408	1.00	0.9724	

Reagents:

SIMDIOX50_00007	Amount Added: 40.00	Units: uL	
VMMIX1SIM_00096	Amount Added: 5.00	Units: uL	
SimBenChlorof_00002	Amount Added: 5.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

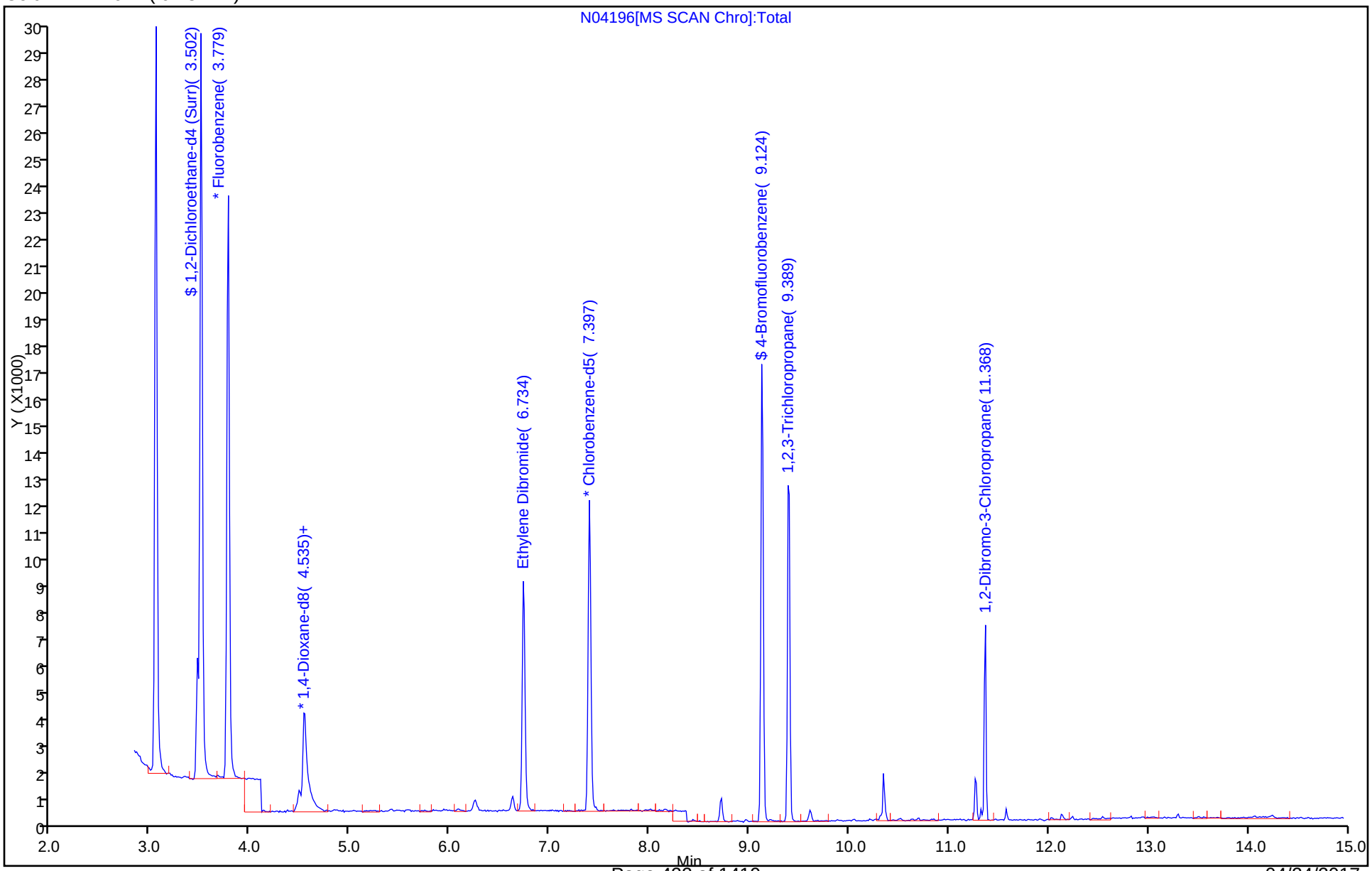
Report Date: 07-Apr-2017 13:49:18 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04196.D

Injection Date:	05-Apr-2017 20:33:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	STD40			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04197.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 05-Apr-2017 20:56:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0053338-009
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260SIMW11*sub21

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2017 13:49:20 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: kluseys Date: 05-Apr-2017 21:34:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.779	3.779	-0.001	100	29784	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.487	0.000	97	923	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	13454	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	100	6517	0.5003	0.5055	
$ 5 4-Bromofluorobenzene	95	9.124	9.125	-0.001	100	12388	0.5002	0.4931	
7 1,4-Dioxane	88	4.544	4.545	-0.001	100	7962	50.0	47.7	
8 Ethylene Dibromide	107	6.734	6.734	0.000	100	12809	2.00	1.61	
9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	100	21266	2.00	1.62	
10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	99	7226	2.00	1.68	

Reagents:

SIMDIOX50_00007	Amount Added: 50.00	Units: uL	
VMMIX1SIM_00096	Amount Added: 10.00	Units: uL	
SimBenChlorof_00002	Amount Added: 10.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

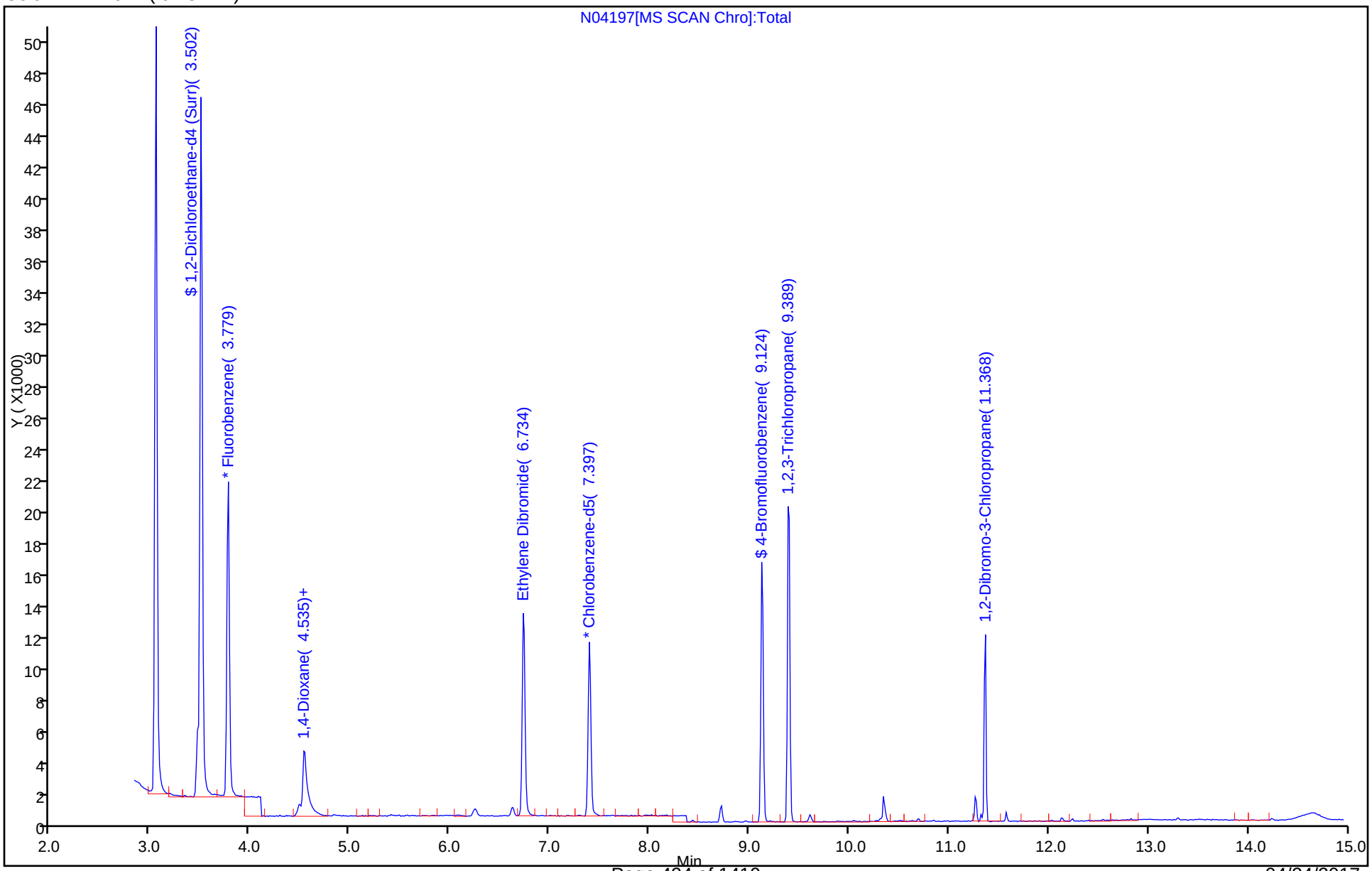
Report Date: 07-Apr-2017 13:49:22 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04197.D

Injection Date:	05-Apr-2017 20:56:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	STD50			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04200.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Apr-2017 22:49:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD01
Misc. Info.: 460-0053338-012
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260SIMW11*sub21

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2017 13:49:23 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: kluseys Date: 05-Apr-2017 23:08:21

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	3.779	3.779	0.000	100	31348	0.5000	0.5000	
*	2 1,4-Dioxane-d8	64	4.487	4.487	0.000	99	1146	10.0	10.0	
*	3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	14291	0.5000	0.5000	
$	4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	98	6876	0.5003	0.5067	
$	5 4-Bromofluorobenzene	95	9.124	9.124	0.000	100	13870	0.5002	0.5197	
	7 1,4-Dioxane	88	4.544	4.544	0.000	95	214	1.00	1.03	M
	8 Ethylene Dibromide	107	6.734	6.734	0.000	92	351	0.0400	0.0415	
	9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	99	605	0.0400	0.0434	
	10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	98	206	0.0400	0.0450	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

VMMIX1SIM_00096	Amount Added: 2.00	Units: uL	
SIMDIOX50_00007	Amount Added: 10.00	Units: uL	
SimBenChlorof_00002	Amount Added: 2.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

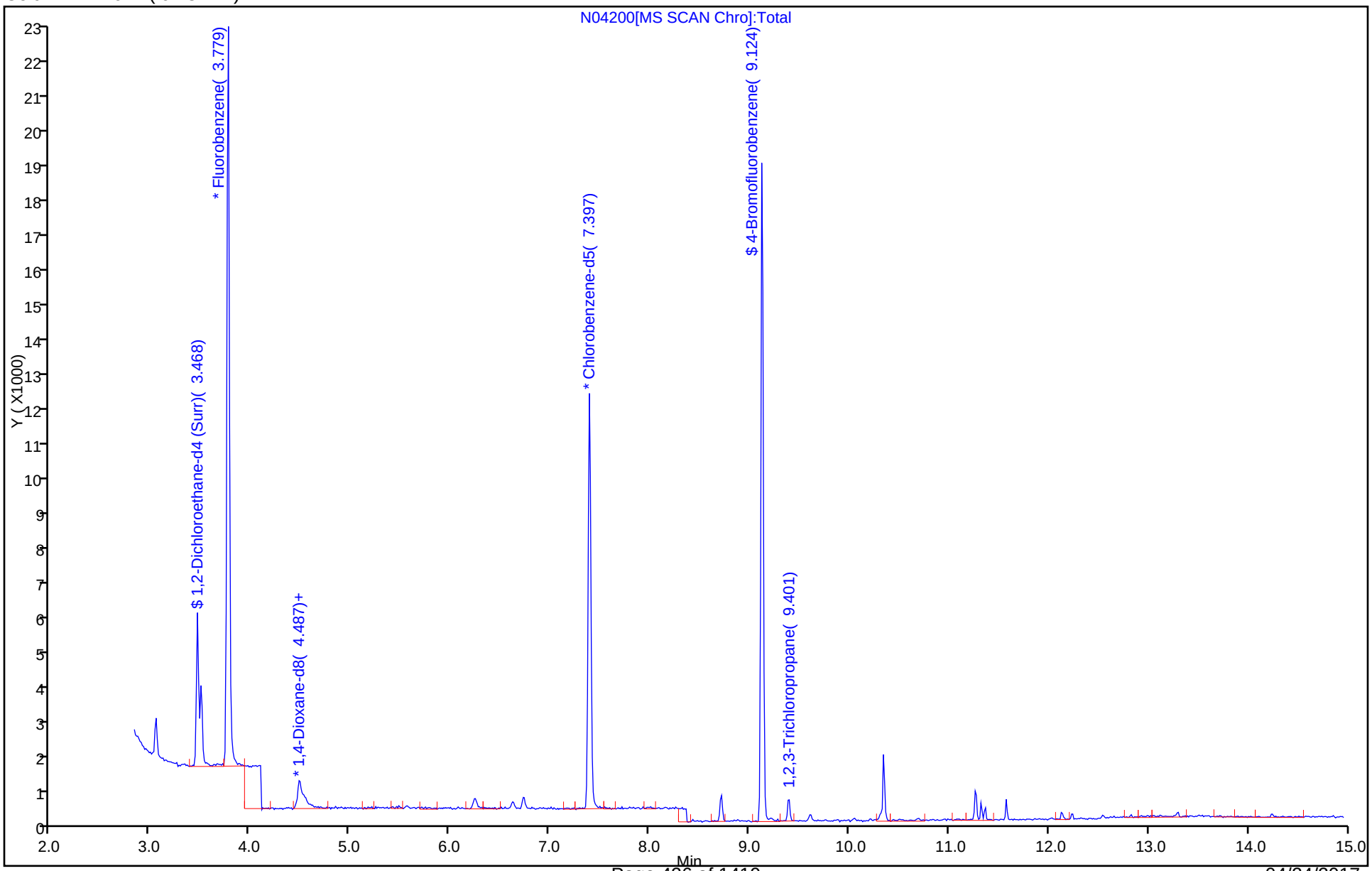
Report Date: 07-Apr-2017 13:49:24 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04200.D

Injection Date:	05-Apr-2017 22:49:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

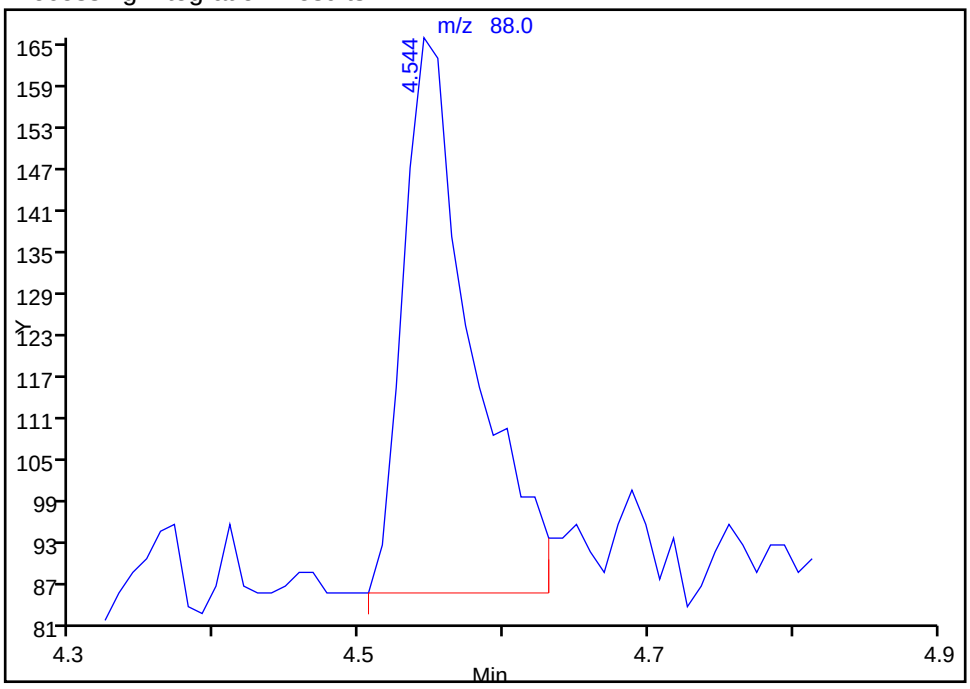
Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04200.D
Injection Date: 05-Apr-2017 22:49:30 Instrument ID: CVOAMS11
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260SIMW11 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

7 1,4-Dioxane, CAS: 123-91-1

Signal: 1

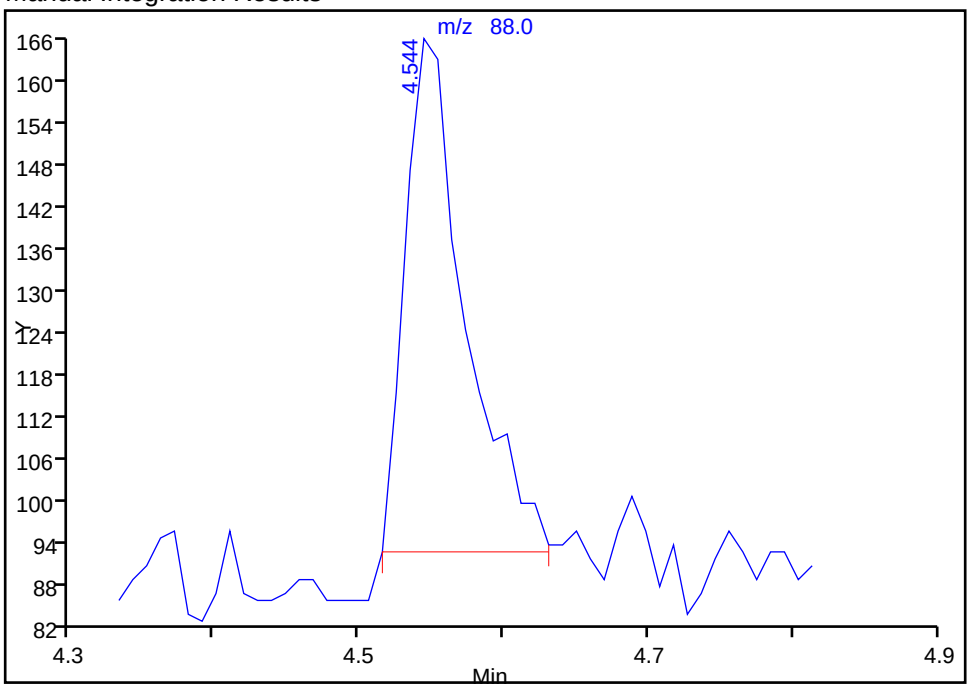
Processing Integration Results

RT: 4.54
Area: 266
Amount: 1.271875
Amount Units: ug/l



Manual Integration Results

RT: 4.54
Area: 214
Amount: 1.031551
Amount Units: ug/l



Reviewer: kluseys, 07-Apr-2017 13:49:23
Audit Action: Manually Integrated Audit Reason: Baseline

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D
Lims ID: STD04
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Apr-2017 23:12:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD04
Misc. Info.: 460-0053338-013
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260SIMW11*sub21

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Apr-2017 13:49:26 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: kluseys Date: 06-Apr-2017 00:45:14

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	3.779	3.779	0.000	100	33756	0.5000	0.5000	
*	2 1,4-Dioxane-d8	64	4.487	4.487	0.000	94	1099	10.0	10.0	
*	3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	14189	0.5000	0.5000	
$	4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	98	7305	0.5003	0.5000	
$	5 4-Bromofluorobenzene	95	9.125	9.124	0.001	99	13277	0.5002	0.5011	
	7 1,4-Dioxane	88	4.545	4.544	0.001	83	95	0.4000	0.4775	M
	8 Ethylene Dibromide	107	6.734	6.734	0.000	99	216	0.0200	0.0257	
	9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	96	344	0.0200	0.0248	
	10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	97	126	0.0200	0.0277	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

VMMIX1SIM_00096	Amount Added: 1.00	Units: uL	
SIMDIOX50_00007	Amount Added: 4.00	Units: uL	
SimBenChlorof_00002	Amount Added: 1.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

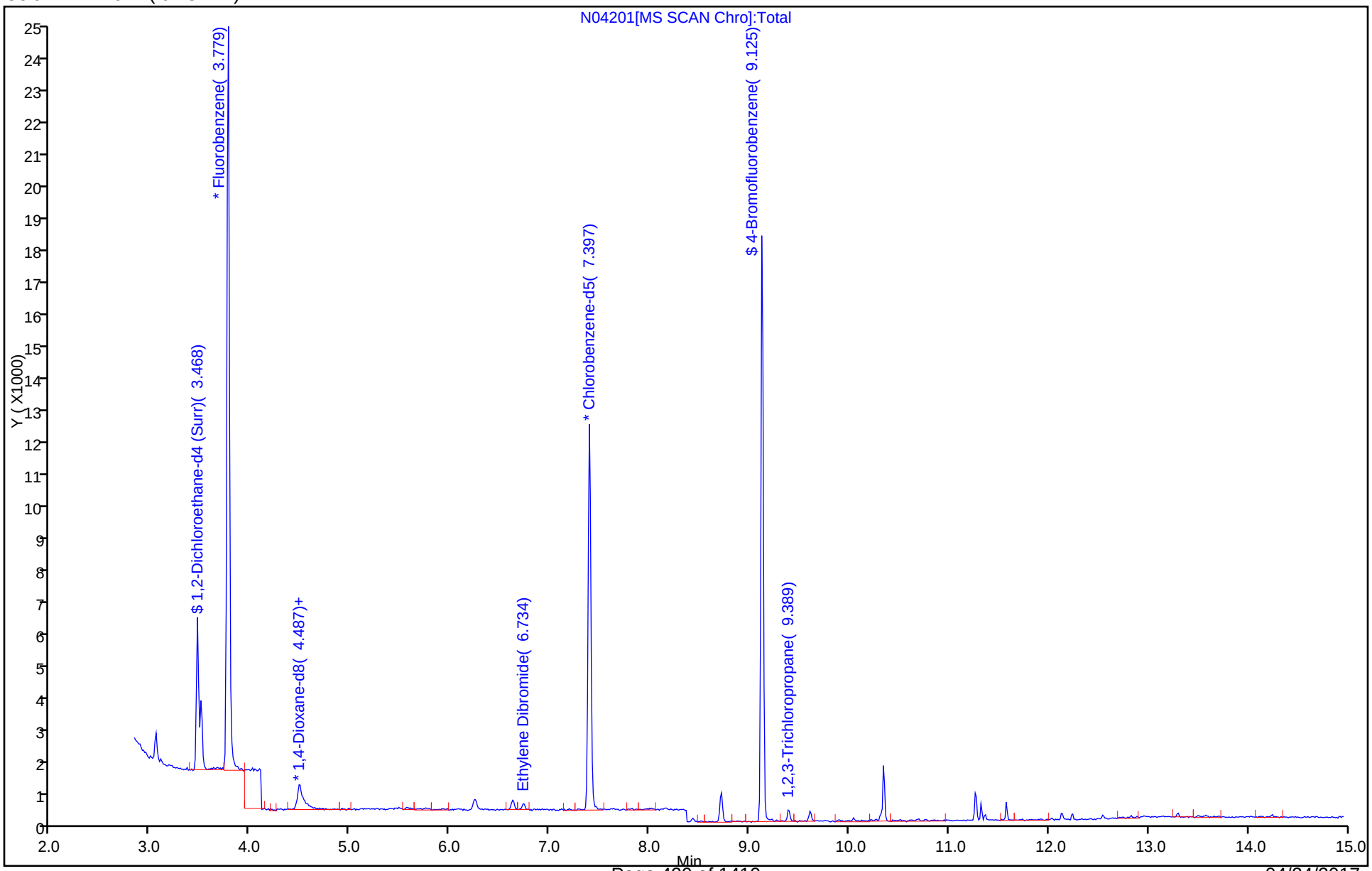
Report Date: 07-Apr-2017 13:49:27 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Injection Date:	05-Apr-2017 23:12:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	STD04			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

TestAmerica Edison

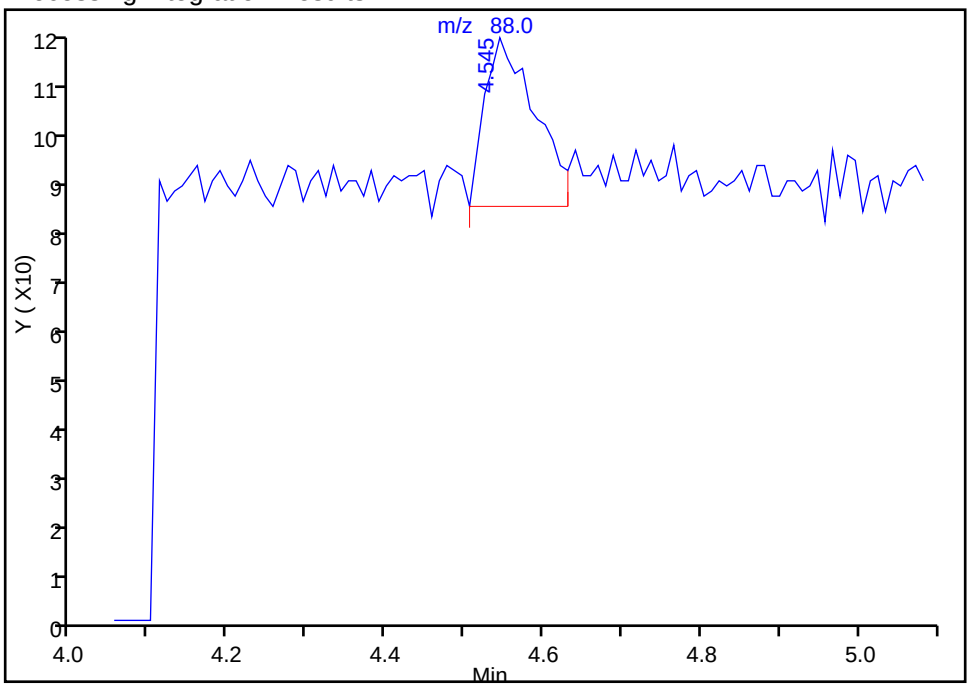
Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D
Injection Date: 05-Apr-2017 23:12:30 Instrument ID: CVOAMS11
Lims ID: STD04
Client ID:
Operator ID: ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260SIMW11 Limit Group: VOA - 8260C Water and Solid
Column: DB-624 (0.18 mm) Detector MS SCAN

7 1,4-Dioxane, CAS: 123-91-1

Signal: 1

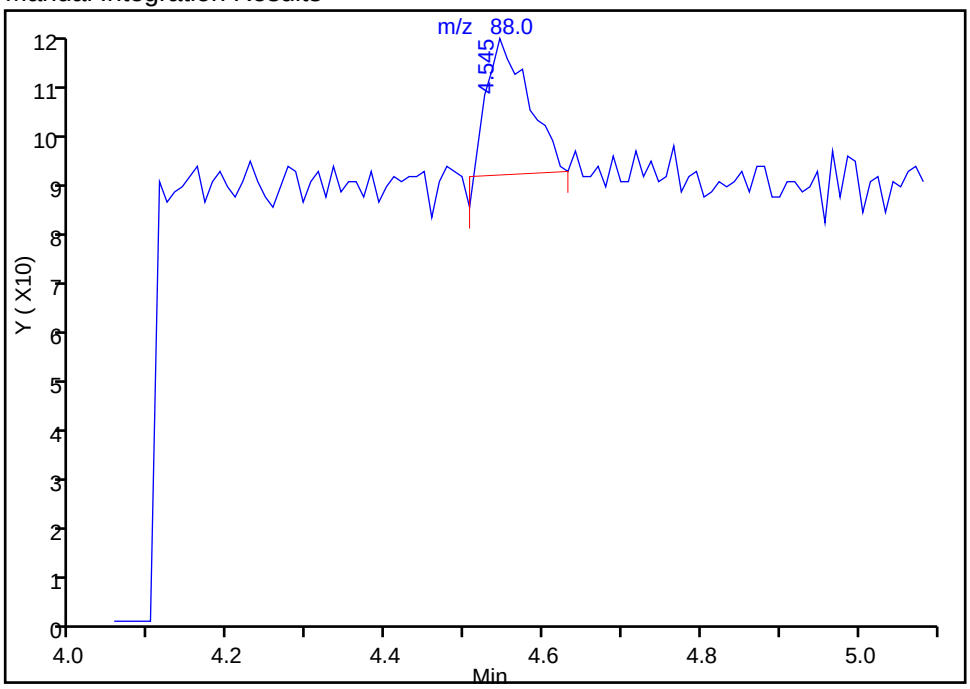
Processing Integration Results

RT: 4.54
Area: 147
Amount: 0.777632
Amount Units: ug/l



Manual Integration Results

RT: 4.54
Area: 95
Amount: 0.477515
Amount Units: ug/l



Reviewer: kluseys, 07-Apr-2017 13:49:26
Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: CCVIS 460-429360/4 Calibration Date: 04/10/2017 18:33

Instrument ID: CVOAMS11 Calib Start Date: 04/05/2017 19:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/05/2017 23:12

Lab File ID: N04449.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
1,4-Dioxane	Ave	1.810	1.573		4.34	5.00	-13.1	50.0
Ethylene Dibromide	Ave	0.2957	0.3022	0.1000	0.0511	0.0500	2.2	20.0
1,2,3-Trichloropropane	Ave	0.4880	0.5592		0.0573	0.0500	14.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1602	0.1624	0.0500	0.0507	0.0500	1.4	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2164	0.2539		0.587	0.500	17.3	20.0
4-Bromofluorobenzene	Ave	0.9337	1.037		0.556	0.500	11.1	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04449.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Apr-2017 18:33:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0053532-004
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260SIMW11*sub21

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Apr-2017 12:12:56 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: starzecm Date: 11-Apr-2017 01:07:33

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	3.779	3.779	0.000	100	20985	0.5000	0.5000	
*	2 1,4-Dioxane-d8	64	4.487	4.487	0.000	98	1208	10.0	10.0	
*	3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	14593	0.5000	0.5000	
$	4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	100	5332	0.5003	0.5870	
$	5 4-Bromofluorobenzene	95	9.124	9.124	0.000	100	15138	0.5002	0.5555	
	7 1,4-Dioxane	88	4.544	4.544	0.000	98	950	5.00	4.34	
	8 Ethylene Dibromide	107	6.734	6.734	0.000	100	441	0.0500	0.0511	
	9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	100	816	0.0500	0.0573	
	10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	97	237	0.0500	0.0507	

Reagents:

SIMDIOX50_00007	Amount Added: 20.00	Units: uL	
VMMIX1SIM_00096	Amount Added: 1.00	Units: uL	
SimBenChlorof_00002	Amount Added: 1.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

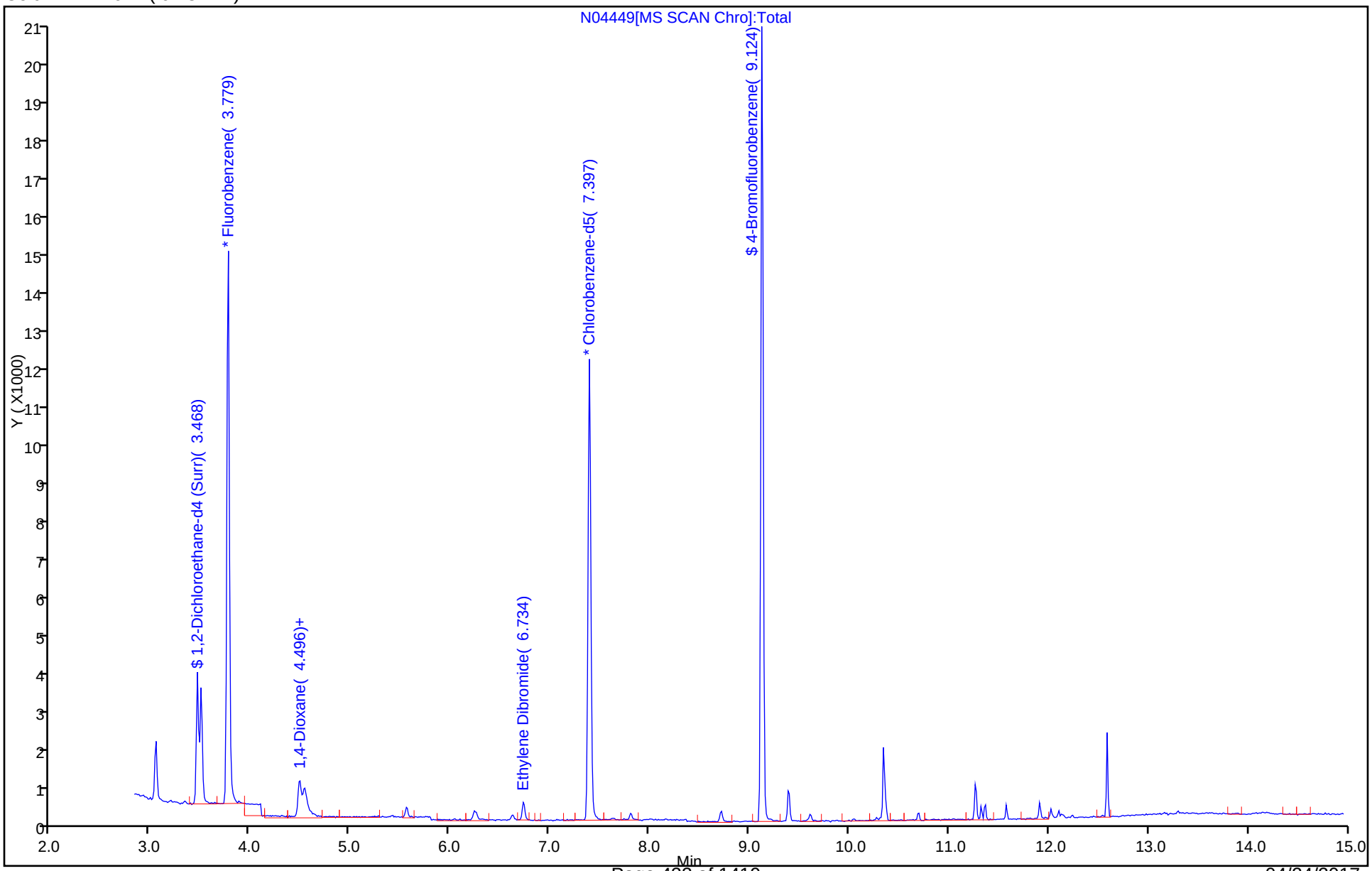
Report Date: 12-Apr-2017 12:12:57 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04449.D

Injection Date:	10-Apr-2017 18:33:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: CCVIS 460-429447/2 Calibration Date: 04/11/2017 05:50

Instrument ID: CVOAMS11 Calib Start Date: 04/05/2017 19:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/05/2017 23:12

Lab File ID: N04476.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
1,4-Dioxane	Ave	1.810	2.043		5.64	5.00	12.8	50.0
Ethylene Dibromide	Ave	0.2957	0.3190	0.1000	0.0539	0.0500	7.9	20.0
1,2,3-Trichloropropane	Ave	0.4880	0.5280		0.0541	0.0500	8.2	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1602	0.1462	0.0500	0.0456	0.0500	-8.7	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2164	0.2421		0.560	0.500	11.9	20.0
4-Bromofluorobenzene	Ave	0.9337	0.9729		0.521	0.500	4.2	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04476.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 11-Apr-2017 05:50:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0053554-002
Operator ID: Instrument ID: CVOAMS11
Sublist: chrom-8260SIMW11*sub21

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Apr-2017 12:52:34 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: sarmientod Date: 11-Apr-2017 17:19:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.779	3.779	0.000	100	19874	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.496	4.496	0.000	94	841	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	13541	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	98	4814	0.5003	0.5596	
$ 5 4-Bromofluorobenzene	95	9.124	9.124	0.000	99	13179	0.5002	0.5212	
7 1,4-Dioxane	88	4.544	4.544	0.000	96	859	5.00	5.64	
8 Ethylene Dibromide	107	6.734	6.734	0.000	99	432	0.0500	0.0539	
9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	99	715	0.0500	0.0541	
10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	97	198	0.0500	0.0456	

Reagents:

SIMDIOX50_00007	Amount Added: 20.00	Units: uL	
VMMIX1SIM_00096	Amount Added: 1.00	Units: uL	
SimBenChlorof_00002	Amount Added: 1.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

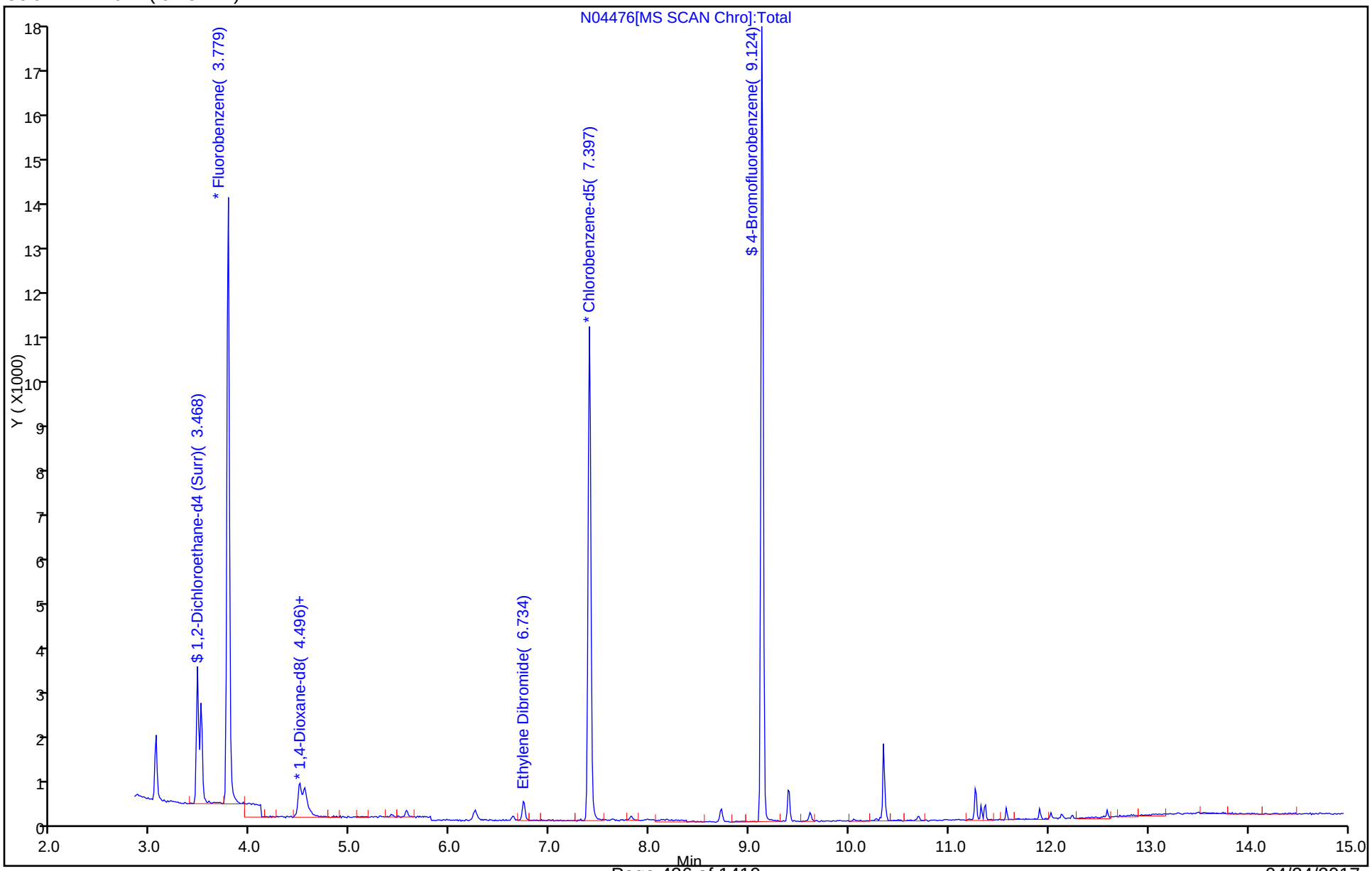
Report Date: 12-Apr-2017 12:52:34 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04476.D

Injection Date:	11-Apr-2017 05:50:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04189.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 05-Apr-2017 17:49:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0053338-001
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 06-Apr-2017 01:14:26 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: tupayachia Date: 05-Apr-2017 17:57:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 6 BFB	95	2.373	2.373	0.000	0	28991	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

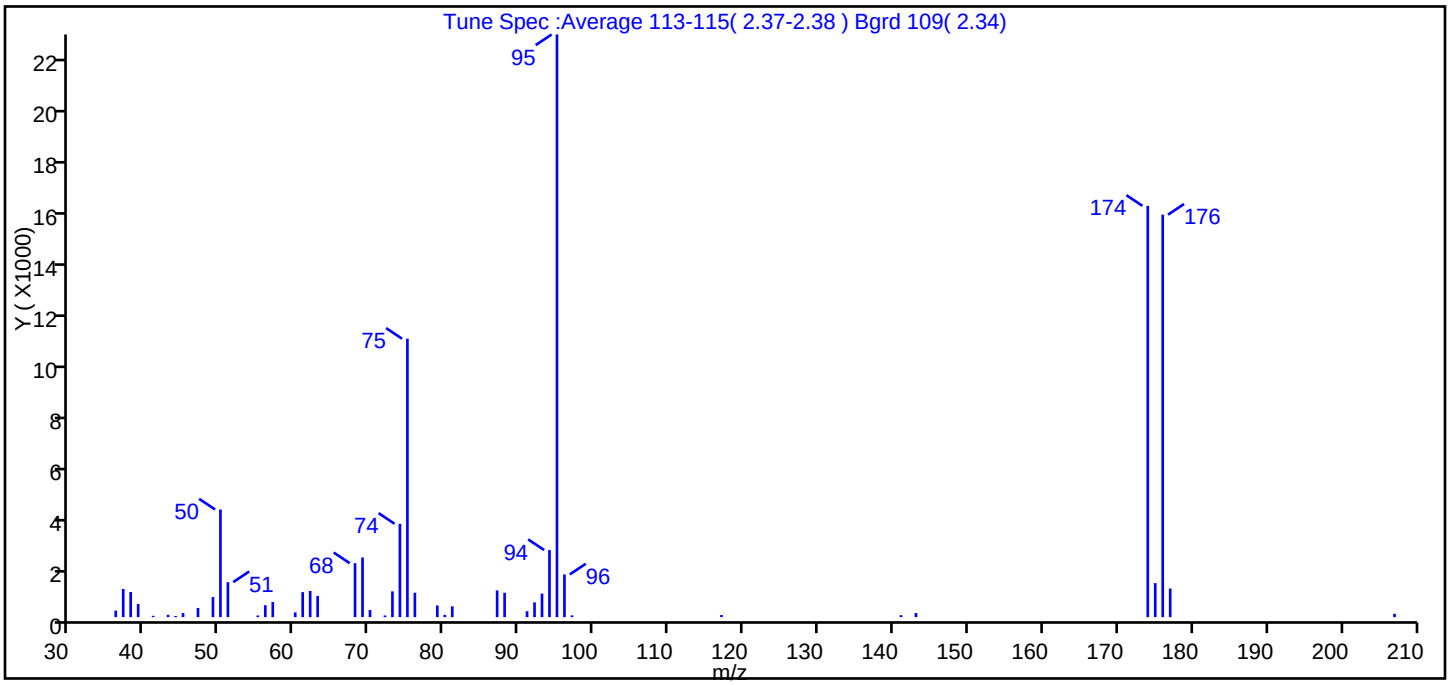
BFB_00014 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04189.D
Injection Date: 05-Apr-2017 17:49:30 Instrument ID: CVOAMS11
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260SIMW11 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 6 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.5
75	30 to 60% of m/z 95	47.8
96	5 to 9% of m/z 95	7.3
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	70.6
175	5 to 9% of m/z 174	5.8 (8.3)
176	Greater than 95% but less than 101% of m/z 174	69.1 (97.9)
177	5 to 9% of m/z 176	4.9 (7.1)

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04189.D\8260SIMW11.rslt\spectra.d
Injection Date: 05-Apr-2017 17:49:30
Spectrum: Tune Spec :Average 113-115(2.37-2.38) Bgrd 109(2.34)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 47

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	257	55.00	66	74.00	3664	95.00	22872
37.00	1106	56.00	469	75.00	10929	96.00	1677
38.00	987	57.00	595	76.00	958	97.00	70
39.00	517	60.00	187	79.00	460	117.00	82
41.00	53	61.00	982	80.00	90	141.00	78
43.00	89	62.00	1027	81.00	424	143.00	161
44.00	47	63.00	834	87.00	1050	174.00	16145
45.00	160	68.00	2118	88.00	957	175.00	1336
47.00	361	69.00	2341	91.00	234	176.00	15799
49.00	788	70.00	279	92.00	580	177.00	1124
50.00	4225	72.00	66	93.00	924	207.00	131
51.00	1375	73.00	1011	94.00	2633		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04446.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 10-Apr-2017 16:52:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0053532-001
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Apr-2017 01:07:18 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: starzecm Date: 11-Apr-2017 01:07:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 6 BFB	95	2.348	2.348	0.000	0	153431	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

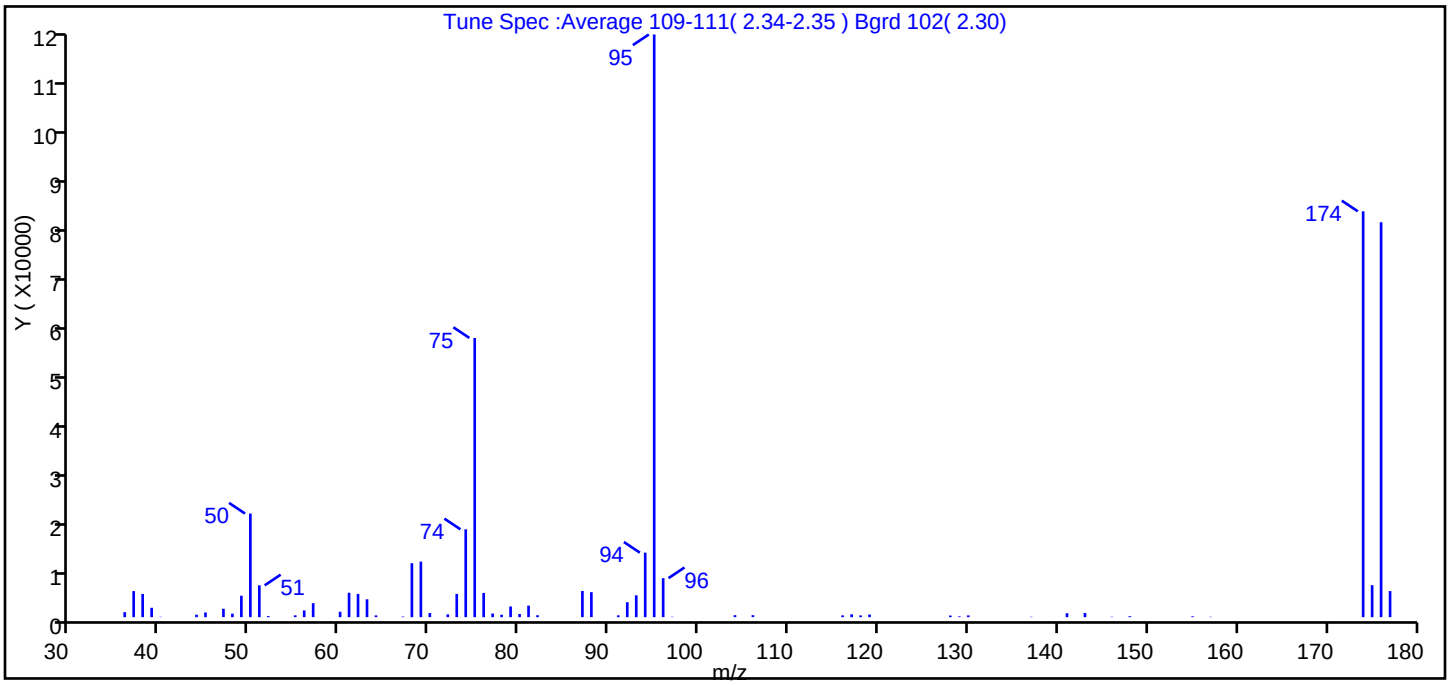
BFB_00014 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04446.D
Injection Date: 10-Apr-2017 16:52:30 Instrument ID: CVOAMS11
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260SIMW11 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 6 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.8
75	30 to 60% of m/z 95	47.9
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	69.6
175	5 to 9% of m/z 174	5.5 (7.9)
176	Greater than 95% but less than 101% of m/z 174	67.8 (97.3)
177	5 to 9% of m/z 176	4.5 (6.6)

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04446.D\8260SIMW11.rslt\spectra.d
Injection Date: 10-Apr-2017 16:52:30
Spectrum: Tune Spec :Average 109-111(2.34-2.35) Bgrd 102(2.30)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	984	61.00	4818	81.00	2271	128.00	319
37.00	5154	62.00	4580	82.00	378	129.00	144
38.00	4584	63.00	3531	87.00	5166	130.00	348
39.00	1853	64.00	347	88.00	4933	137.00	76
40.00	68	67.00	116	91.00	358	141.00	774
44.00	485	68.00	10665	92.00	2946	143.00	817
45.00	922	69.00	10976	93.00	4311	146.00	73
47.00	1654	70.00	811	94.00	12743	148.00	188
48.00	687	72.00	545	95.00	115152	155.00	162
49.00	4234	73.00	4594	96.00	7707	157.00	67
50.00	20472	74.00	17360	97.00	73	174.00	80200
51.00	6286	75.00	55176	104.00	389	175.00	6325
52.00	217	76.00	4783	106.00	395	176.00	78048
55.00	357	77.00	713	116.00	353	177.00	5152
56.00	1325	78.00	476	117.00	558		
57.00	2765	79.00	2106	118.00	337		
60.00	1068	80.00	621	119.00	513		

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04475.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Apr-2017 05:05:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0053554-001
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Apr-2017 12:09:02 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: tupayachia Date: 11-Apr-2017 05:12:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 6 BFB	95	2.373	2.373	0.000	0	30029	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

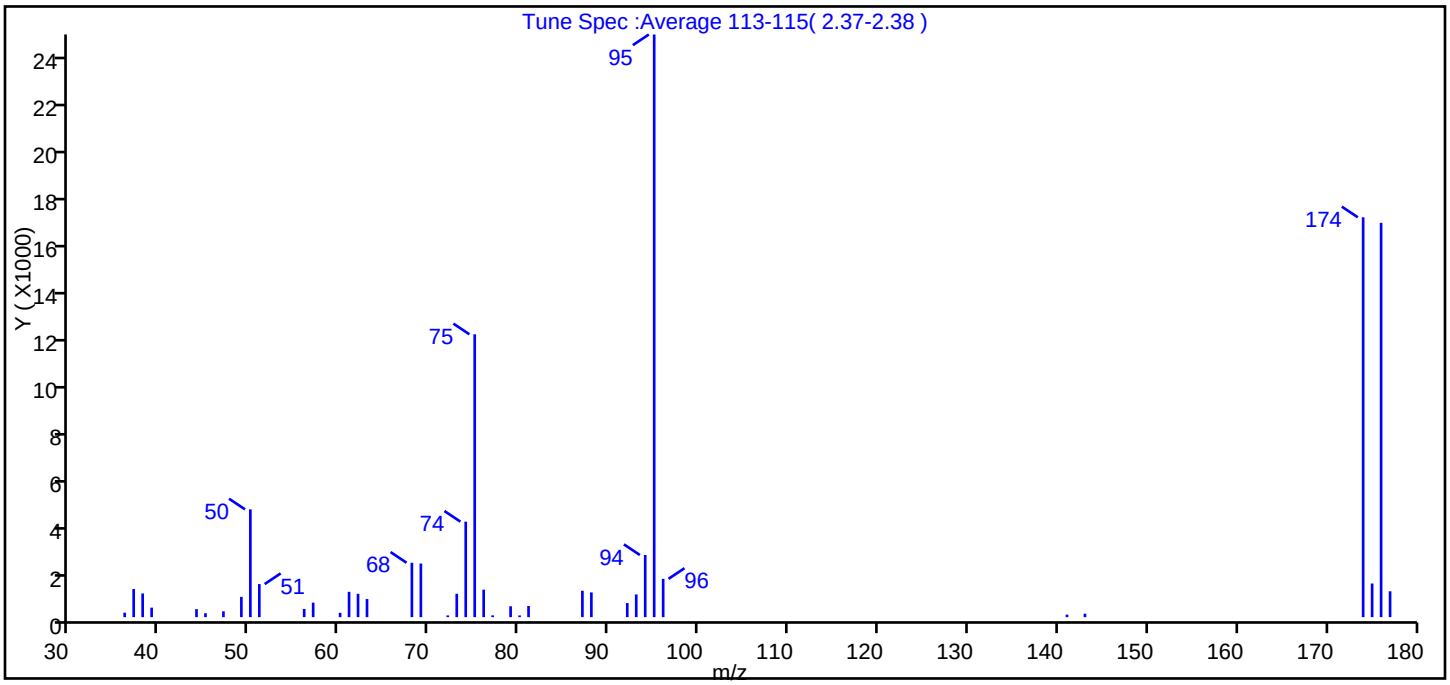
BFB_00014 Amount Added: 1.00 Units: uL

MS Tune Report

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04475.D
Injection Date: 11-Apr-2017 05:05:30 Instrument ID: CVOAMS11
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260SIMW11 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 6 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.5
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	68.6
175	5 to 9% of m/z 174	5.8 (8.4)
176	Greater than 95% but less than 101% of m/z 174	67.7 (98.6)
177	5 to 9% of m/z 176	4.4 (6.6)

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04475.D\8260SIMW11.rslt\spectra.d
Injection Date: 11-Apr-2017 05:05:30
Spectrum: Tune Spec :Average 113-115(2.37-2.38)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	187	56.00	343	74.00	3999	93.00	951
37.00	1178	57.00	607	75.00	11845	94.00	2602
38.00	992	60.00	180	76.00	1150	95.00	24400
39.00	398	61.00	1060	77.00	74	96.00	1603
44.00	336	62.00	978	79.00	456	141.00	106
45.00	164	63.00	758	80.00	71	143.00	144
47.00	245	68.00	2278	81.00	466	174.00	16744
49.00	849	69.00	2244	87.00	1106	175.00	1408
50.00	4514	72.00	72	88.00	1035	176.00	16512
51.00	1385	73.00	978	92.00	589	177.00	1083

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-429360/7

Matrix: Water Lab File ID: N04452.D

Analysis Method: 8260C SIM Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/10/2017 20:00

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 429360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.40	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	132		71-144
460-00-4	4-Bromofluorobenzene	110		72-133

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04452.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Apr-2017 20:00:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0053532-007
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Apr-2017 12:14:30 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: starzecm Date: 11-Apr-2017 01:08:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.779	3.779	0.000	100	18796	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.487	0.000	95	1276	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	13588	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	100	5356	0.5003	0.6583	
$ 5 4-Bromofluorobenzene	95	9.124	9.124	0.000	100	14012	0.5002	0.5522	

Reagents:

SimissurNEW_00004 Amount Added: 2.00 Units: uL Run Reagent

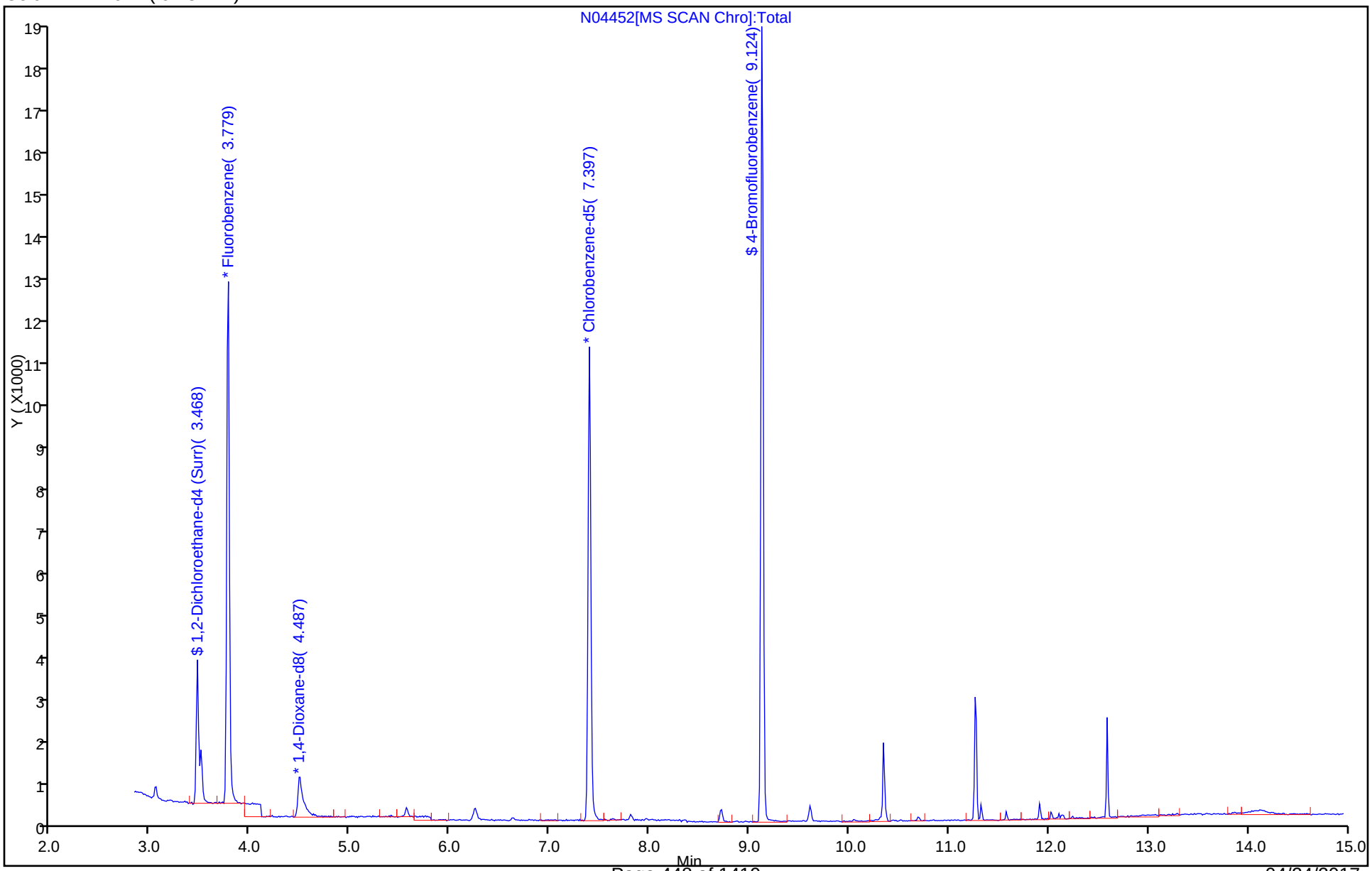
Report Date: 12-Apr-2017 12:14:31 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04452.D

Injection Date:	10-Apr-2017 20:00:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-429447/7

Matrix: Water Lab File ID: N04481.D

Analysis Method: 8260C SIM Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/11/2017 07:53

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 429447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.20	U	0.40	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	125		71-144
460-00-4	4-Bromofluorobenzene	102		72-133

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04481.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 11-Apr-2017 07:53:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0053554-007
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Apr-2017 12:53:56 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: baronm Date: 12-Apr-2017 12:53:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.779	3.779	0.000	100	21463	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.496	4.487	0.009	94	977	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	12935	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	100	5803	0.5003	0.6246	
$ 5 4-Bromofluorobenzene	95	9.124	9.124	0.000	100	12269	0.5002	0.5079	

Reagents:

SimissurNEW_00004 Amount Added: 2.00 Units: uL Run Reagent

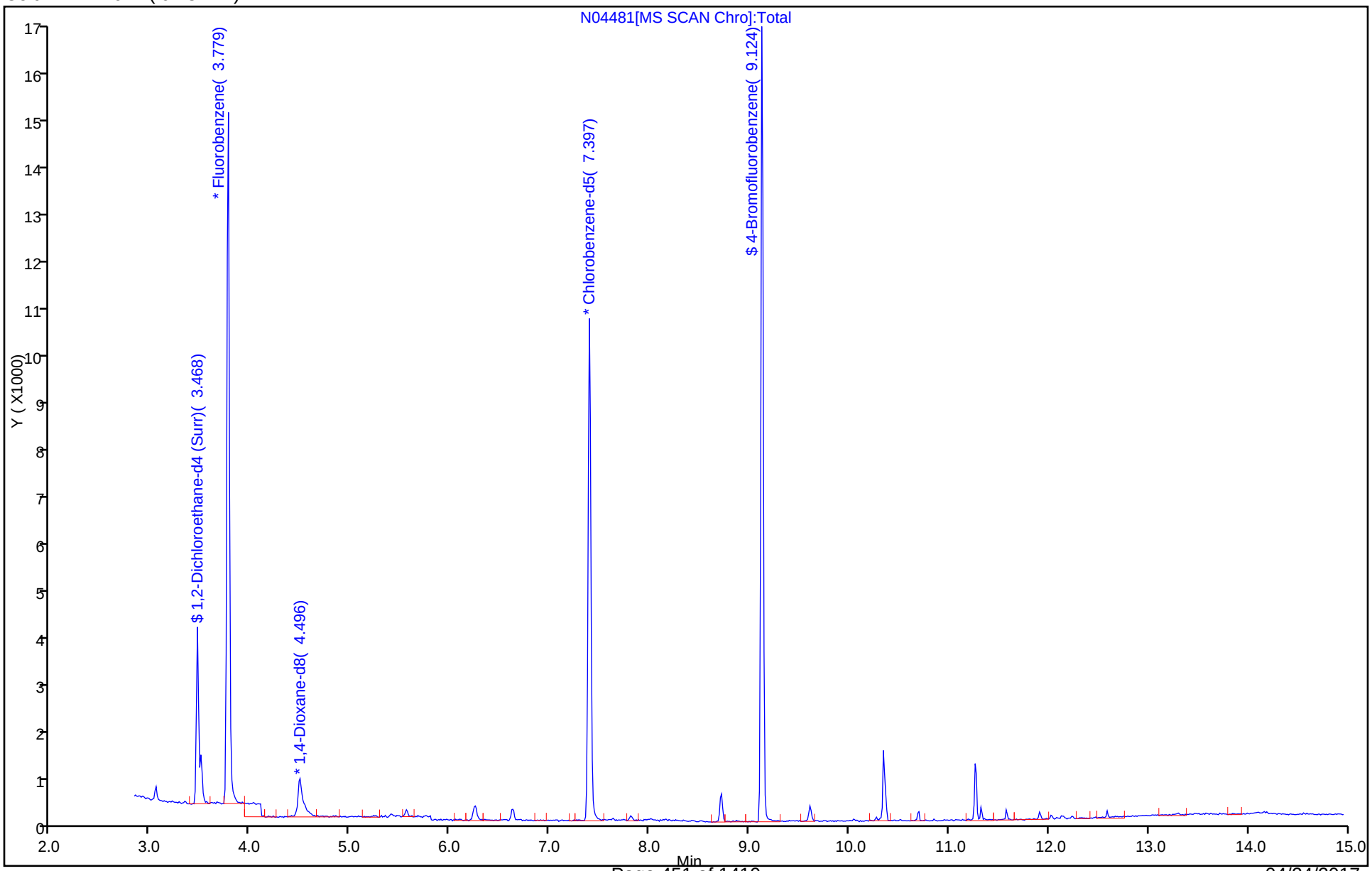
Report Date: 12-Apr-2017 12:53:56 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04481.D

Injection Date:	11-Apr-2017 07:53:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-429360/5

Matrix: Water Lab File ID: N04450.D

Analysis Method: 8260C SIM Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/10/2017 19:06

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 429360 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	5.09		0.40	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		71-144
460-00-4	4-Bromofluorobenzene	109		72-133

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04450.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 10-Apr-2017 19:06:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0053532-005
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Apr-2017 12:13:18 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: starzecm Date: 11-Apr-2017 01:07:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.778	3.779	-0.001	100	17623	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.487	0.000	99	950	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	12799	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	100	4631	0.5003	0.6071	
$ 5 4-Bromofluorobenzene	95	9.124	9.124	0.000	100	13046	0.5002	0.5459	
7 1,4-Dioxane	88	4.544	4.544	0.000	96	875	5.00	5.09	
8 Ethylene Dibromide	107	6.734	6.734	0.000	93	346	0.0500	0.0457	
9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	100	668	0.0500	0.0535	
10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	96	191	0.0500	0.0466	

Reagents:

SIMDIOX50_00007	Amount Added: 20.00	Units: uL	
VMMIX1SIM_00096	Amount Added: 1.00	Units: uL	
SimBenChlorof_00002	Amount Added: 1.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

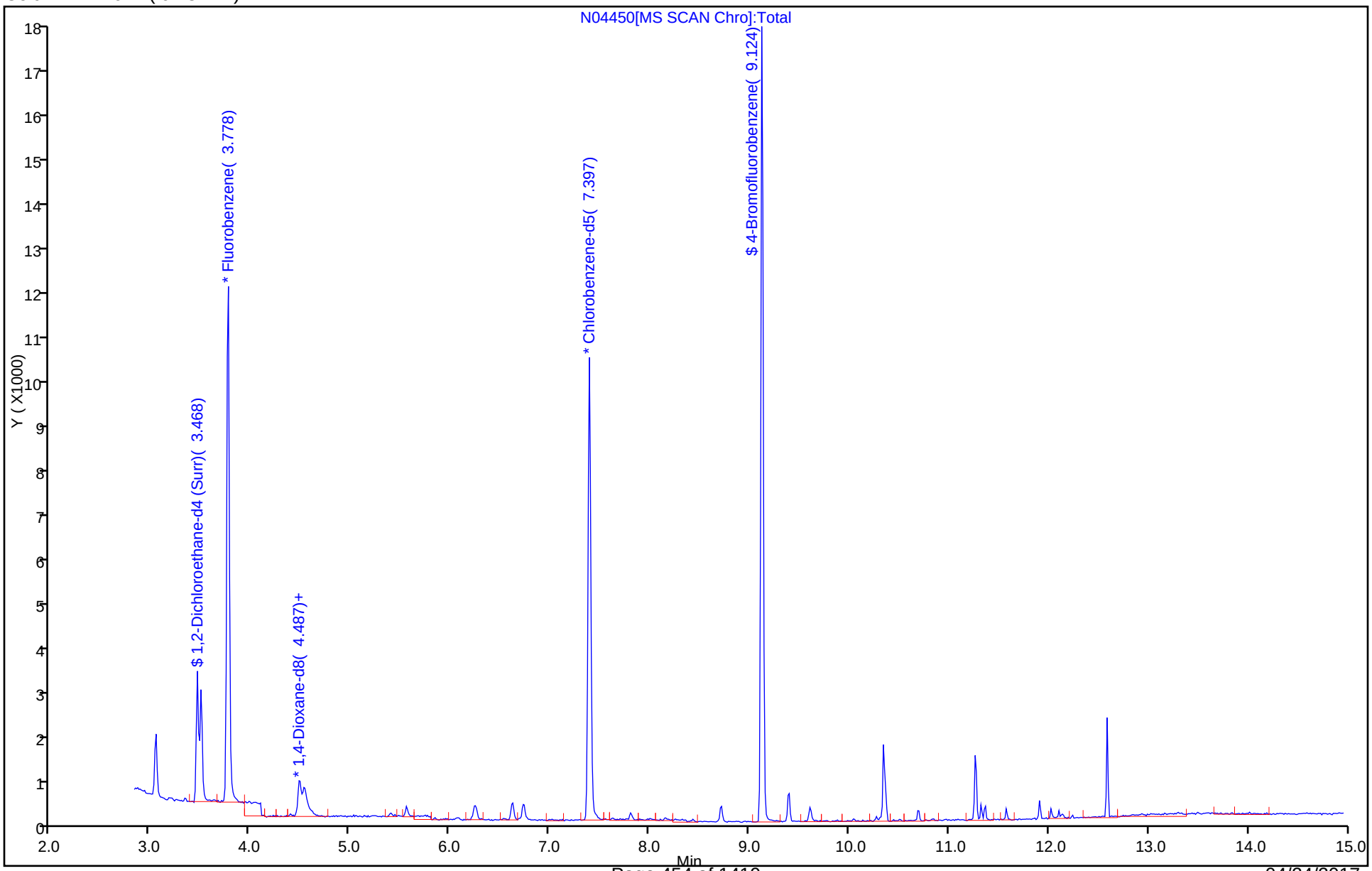
Report Date: 12-Apr-2017 12:13:19 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04450.D

Injection Date:	10-Apr-2017 19:06:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-429447/3

Matrix: Water Lab File ID: N04477.D

Analysis Method: 8260C SIM Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/11/2017 06:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 429447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	5.37		0.40	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		71-144
460-00-4	4-Bromofluorobenzene	109		72-133

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04477.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 11-Apr-2017 06:13:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0053554-003
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Apr-2017 12:52:51 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: baronm Date: 12-Apr-2017 12:52:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.778	3.779	-0.001	100	16489	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.496	-0.009	98	805	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	12641	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	100	3458	0.5003	0.4845	
$ 5 4-Bromofluorobenzene	95	9.124	9.124	0.000	100	12904	0.5002	0.5467	
7 1,4-Dioxane	88	4.544	4.544	0.000	100	783	5.00	5.37	
8 Ethylene Dibromide	107	6.734	6.734	0.000	99	360	0.0500	0.0482	
9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	100	710	0.0500	0.0575	
10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	97	209	0.0500	0.0516	

Reagents:

VMMIX1SIM_00096	Amount Added: 1.00	Units: uL	
SIMDIOX50_00007	Amount Added: 20.00	Units: uL	
SimBenChlorof_00002	Amount Added: 1.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

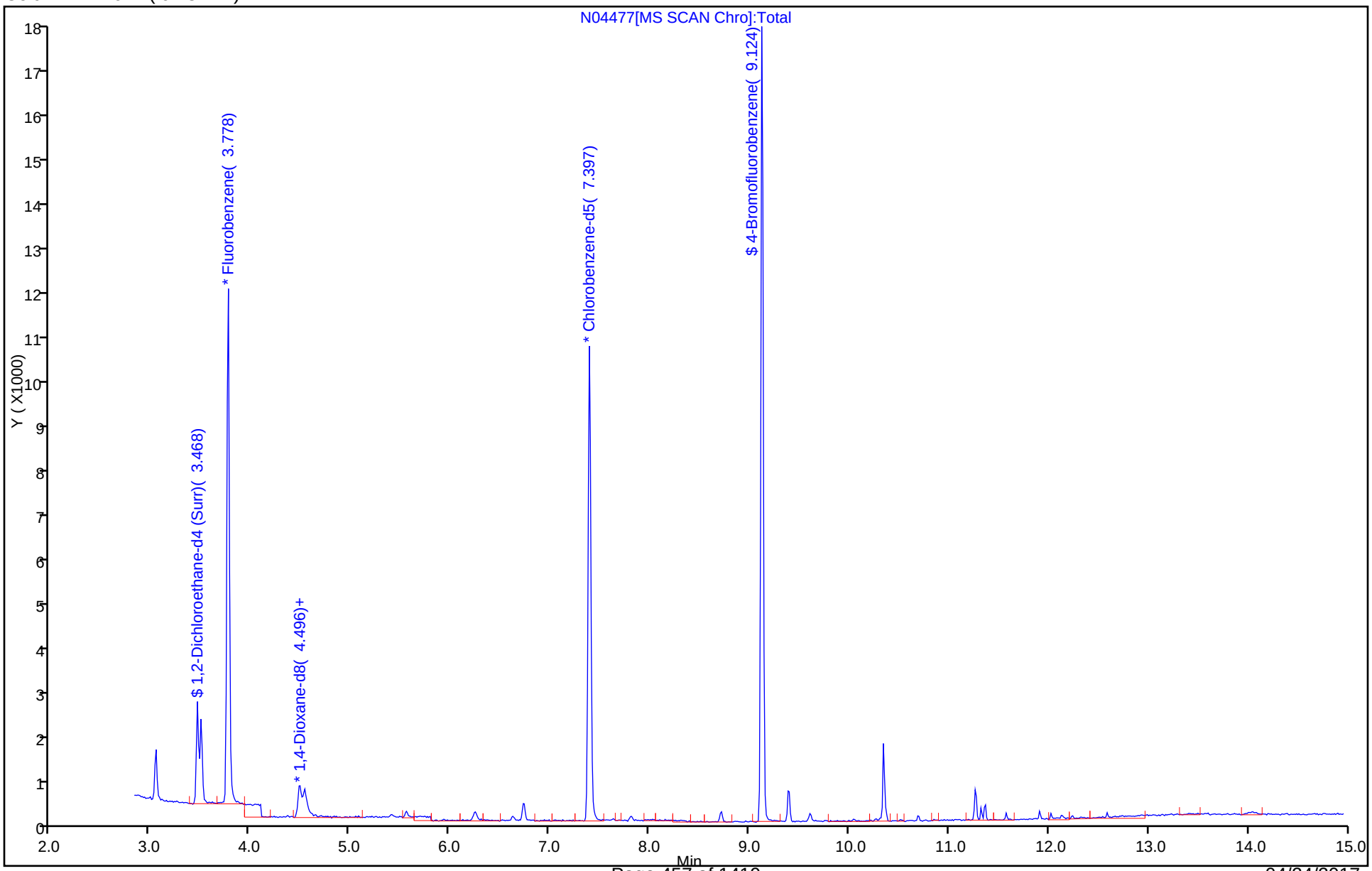
Report Date: 12-Apr-2017 12:52:52 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04477.D

Injection Date:	11-Apr-2017 06:13:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-429360/6

Matrix: Water | Lab File ID: N04451.D

Analysis Method: 8260C SIM | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/10/2017 19:29

Soil Aliquot Vol: | Dilution Factor: 1

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

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

Analysis Batch No.: 429360 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	4.85		0.40	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		71-144
460-00-4	4-Bromofluorobenzene	109		72-133

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04451.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 10-Apr-2017 19:29:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0053532-006
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Apr-2017 12:13:33 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: starzecm Date: 11-Apr-2017 01:08:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.779	3.779	0.000	100	17397	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.487	0.000	99	964	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	12296	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	98	4417	0.5003	0.5866	
$ 5 4-Bromofluorobenzene	95	9.124	9.124	0.000	100	12522	0.5002	0.5454	
7 1,4-Dioxane	88	4.544	4.544	0.000	95	846	5.00	4.85	
8 Ethylene Dibromide	107	6.734	6.734	0.000	93	345	0.0500	0.0474	
9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	100	642	0.0500	0.0535	
10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	100	196	0.0500	0.0497	

Reagents:

VMMIX1SIM_00096	Amount Added: 1.00	Units: uL	
SimBenChlorof_00002	Amount Added: 1.00	Units: uL	
SIMDIOX50_00007	Amount Added: 20.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

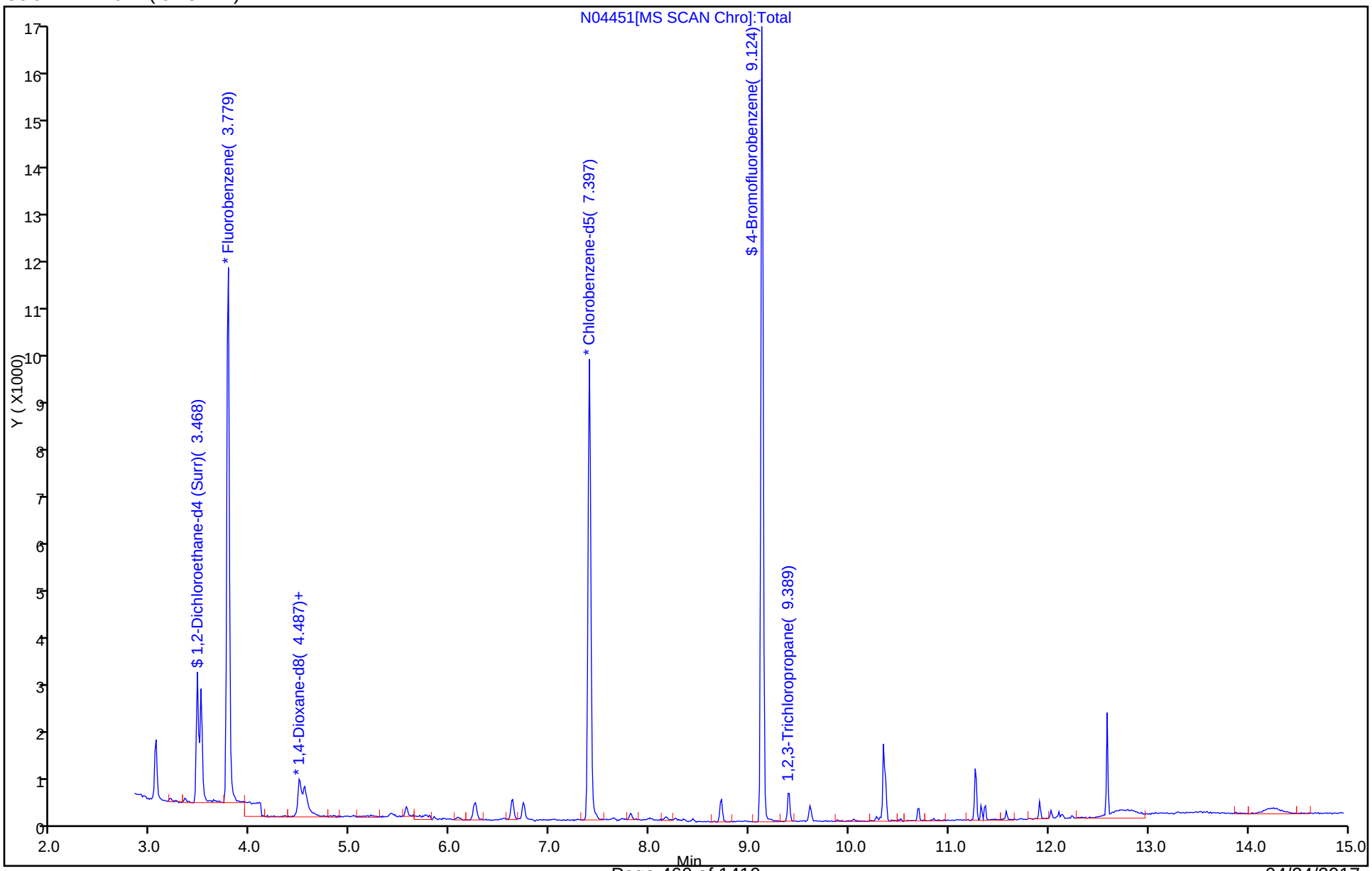
Report Date: 12-Apr-2017 12:13:33 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170410-53532.b\N04451.D

Injection Date:	10-Apr-2017 19:29:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	LCSD			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-429447/4

Matrix: Water Lab File ID: N04478.D

Analysis Method: 8260C SIM Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 04/11/2017 06:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 429447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	5.34		0.40	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	124		71-144
460-00-4	4-Bromofluorobenzene	105		72-133

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04478.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 11-Apr-2017 06:35:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0053554-004
Operator ID: Instrument ID: CVOAMS11

Method: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\8260SIMW11.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Apr-2017 12:53:07 Calib Date: 05-Apr-2017 23:12:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CVOAMS11\20170405-53338.b\N04201.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: tupayachia Date: 11-Apr-2017 06:53:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	3.779	3.779	0.000	100	20972	0.5000	0.5000	
* 2 1,4-Dioxane-d8	64	4.487	4.487	0.000	96	988	10.0	10.0	
* 3 Chlorobenzene-d5	82	7.397	7.397	0.000	100	13072	0.5000	0.5000	
$ 4 1,2-Dichloroethane-d4 (Sur	65	3.468	3.468	0.000	100	5637	0.5003	0.6210	
$ 5 4-Bromofluorobenzene	95	9.124	9.124	0.000	100	12780	0.5002	0.5236	
7 1,4-Dioxane	88	4.544	4.544	0.000	100	955	5.00	5.34	
8 Ethylene Dibromide	107	6.734	6.734	0.000	99	441	0.0500	0.0570	
9 1,2,3-Trichloropropane	75	9.389	9.389	0.000	100	721	0.0500	0.0565	
10 1,2-Dibromo-3-Chloropropan	157	11.368	11.368	0.000	100	207	0.0500	0.0494	

Reagents:

SIMDIOX50_00007	Amount Added: 20.00	Units: uL	
VMMIX1SIM_00096	Amount Added: 1.00	Units: uL	
SimBenChlorof_00002	Amount Added: 1.00	Units: uL	
SimissurNEW_00004	Amount Added: 2.00	Units: uL	Run Reagent

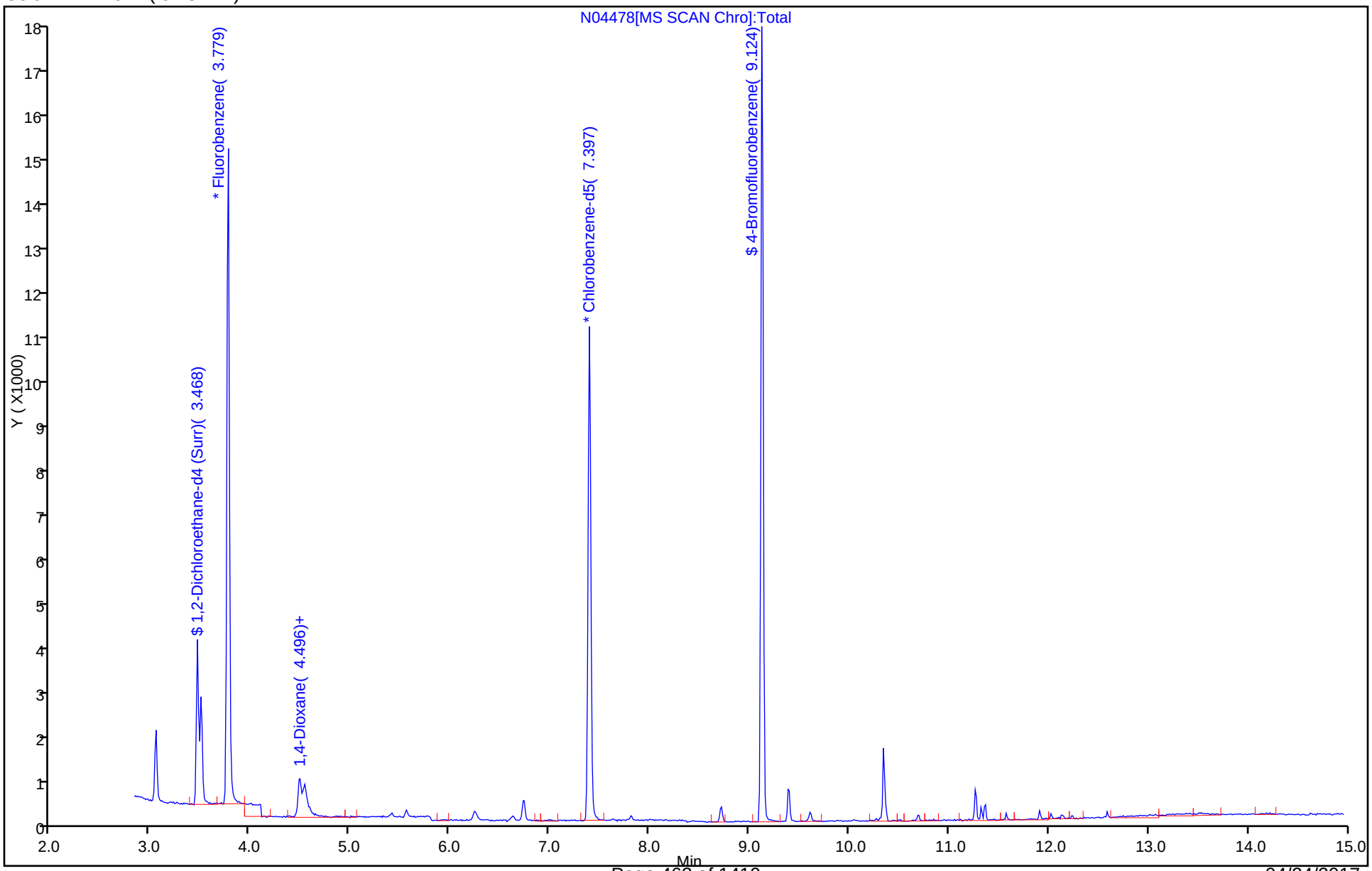
Report Date: 12-Apr-2017 12:53:07 Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CVOAMS11\20170411-53554.b\N04478.D

Injection Date:	11-Apr-2017 06:35:30	Instrument ID:	CVOAMS11	Operator ID:	
Lims ID:	LCSD			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260SIMW11	Limit Group:	VOA - 8260C Water and Solid		

Column: DB-624 (0.18 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: CVOAMS11 Start Date: 04/05/2017 17:49

Analysis Batch Number: 428428 End Date: 04/06/2017 04:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-428428/1		04/05/2017 17:49	1	N04189.D	DB-624 0.18(mm)
STD5 460-428428/4 ICIS		04/05/2017 19:02	1	N04192.D	DB-624 0.18(mm)
STD10 460-428428/5 IC		04/05/2017 19:25	1	N04193.D	DB-624 0.18(mm)
STD20 460-428428/6 IC		04/05/2017 19:48	1	N04194.D	DB-624 0.18(mm)
STD30 460-428428/7 IC		04/05/2017 20:10	1	N04195.D	DB-624 0.18(mm)
STD40 460-428428/8 IC		04/05/2017 20:33	1	N04196.D	DB-624 0.18(mm)
STD50 460-428428/9 IC		04/05/2017 20:56	1	N04197.D	DB-624 0.18(mm)
STD1 460-428428/12 IC		04/05/2017 22:49	1	N04200.D	DB-624 0.18(mm)
STD04 460-428428/13 IC		04/05/2017 23:12	1	N04201.D	DB-624 0.18(mm)
ICV 460-428428/14		04/05/2017 23:54	1		DB-624 0.18(mm)
ZZZZZ		04/06/2017 00:29	1		DB-624 0.18(mm)
ZZZZZ		04/06/2017 00:51	1		DB-624 0.18(mm)
ZZZZZ		04/06/2017 01:46	1		DB-624 0.18(mm)
ZZZZZ		04/06/2017 02:09	1		DB-624 0.18(mm)
ZZZZZ		04/06/2017 02:31	1		DB-624 0.18(mm)
ZZZZZ		04/06/2017 02:54	1		DB-624 0.18(mm)
ZZZZZ		04/06/2017 03:16	1		DB-624 0.18(mm)
ZZZZZ		04/06/2017 03:39	1		DB-624 0.18(mm)
ZZZZZ		04/06/2017 04:01	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: CVOAMS11 Start Date: 04/10/2017 16:52

Analysis Batch Number: 429360 End Date: 04/11/2017 04:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-429360/1		04/10/2017 16:52	1	N04446.D	DB-624 0.18(mm)
CCVIS 460-429360/4		04/10/2017 18:33	1	N04449.D	DB-624 0.18(mm)
LCS 460-429360/5		04/10/2017 19:06	1	N04450.D	DB-624 0.18(mm)
LCSD 460-429360/6		04/10/2017 19:29	1	N04451.D	DB-624 0.18(mm)
MB 460-429360/7		04/10/2017 20:00	1	N04452.D	DB-624 0.18(mm)
ZZZZZ		04/10/2017 20:58	2		DB-624 0.18(mm)
ZZZZZ		04/10/2017 21:20	2		DB-624 0.18(mm)
ZZZZZ		04/10/2017 22:51	1		DB-624 0.18(mm)
ZZZZZ		04/10/2017 23:14	1		DB-624 0.18(mm)
ZZZZZ		04/10/2017 23:36	1		DB-624 0.18(mm)
ZZZZZ		04/10/2017 23:59	1		DB-624 0.18(mm)
460-131030-4		04/11/2017 00:44	1	N04464.D	DB-624 0.18(mm)
460-131030-5		04/11/2017 01:07	1	N04465.D	DB-624 0.18(mm)
ZZZZZ		04/11/2017 01:29	1		DB-624 0.18(mm)
ZZZZZ		04/11/2017 01:52	1		DB-624 0.18(mm)
ZZZZZ		04/11/2017 02:15	1		DB-624 0.18(mm)
ZZZZZ		04/11/2017 02:37	1		DB-624 0.18(mm)
ZZZZZ		04/11/2017 03:00	1		DB-624 0.18(mm)
ZZZZZ		04/11/2017 03:45	1		DB-624 0.18(mm)
ZZZZZ		04/11/2017 04:08	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: CVOAMS11 Start Date: 04/11/2017 05:05

Analysis Batch Number: 429447 End Date: 04/11/2017 10:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-429447/1		04/11/2017 05:05	1	N04475.D	DB-624 0.18(mm)
CCVIS 460-429447/2		04/11/2017 05:50	1	N04476.D	DB-624 0.18(mm)
LCS 460-429447/3		04/11/2017 06:13	1	N04477.D	DB-624 0.18(mm)
LCSD 460-429447/4		04/11/2017 06:35	1	N04478.D	DB-624 0.18(mm)
MB 460-429447/7		04/11/2017 07:53	1	N04481.D	DB-624 0.18(mm)
460-131030-3		04/11/2017 10:09	1	N04487.D	DB-624 0.18(mm)
ZZZZZ		04/11/2017 10:32	1		DB-624 0.18(mm)

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-131030-1

SDG No.:

Project: DEC Genzale Plating Co. Site # 130018

Client Sample ID	Lab Sample ID
19S-42017	460-131030-1
17S-42017	460-131030-2
18S-42017	460-131030-3
15S-42017	460-131030-4
3S-42017	460-131030-5
FDup-42017	460-131030-7
FB-42017	460-131030-8

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 19S-42017 Lab Sample ID: 460-131030-1

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/04/2017 16:15

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	1.8	4.0	1.8	ug/L	U		1	6010C
7440-47-3	Chromium	3.3	10.0	3.3	ug/L	U		1	6010C
7440-50-8	Copper	8.1	25.0	8.1	ug/L	U		1	6010C
7440-02-0	Nickel	9.0	40.0	9.0	ug/L	U		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 17S-42017 Lab Sample ID: 460-131030-2

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/04/2017 16:30

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	1.8	4.0	1.8	ug/L	U		1	6010C
7440-47-3	Chromium	39.1	10.0	3.3	ug/L			1	6010C
7440-50-8	Copper	8.1	25.0	8.1	ug/L	U		1	6010C
7440-02-0	Nickel	20.3	40.0	9.0	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 18S-42017 Lab Sample ID: 460-131030-3

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/05/2017 11:57

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	1.8	4.0	1.8	ug/L	U		1	6010C
7440-47-3	Chromium	257	10.0	3.3	ug/L			1	6010C
7440-50-8	Copper	14.3	25.0	8.1	ug/L	J		1	6010C
7440-02-0	Nickel	136	40.0	9.0	ug/L			1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 15S-42017 Lab Sample ID: 460-131030-4

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/05/2017 12:20

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	3.7	8.0	3.7	ug/L	U		2	6010C
7440-47-3	Chromium	6.6	20.0	6.6	ug/L	U		2	6010C
7440-50-8	Copper	16.1	50.0	16.1	ug/L	U		2	6010C
7440-02-0	Nickel	18.0	80.0	18.0	ug/L	U		2	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 3S-42017 Lab Sample ID: 460-131030-5

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/05/2017 12:40

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	1.8	4.0	1.8	ug/L	U		1	6010C
7440-47-3	Chromium	7.9	10.0	3.3	ug/L	J		1	6010C
7440-50-8	Copper	8.1	25.0	8.1	ug/L	U		1	6010C
7440-02-0	Nickel	11.9	40.0	9.0	ug/L	J		1	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FDup-42017 Lab Sample ID: 460-131030-7

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/05/2017 12:00

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	3.7	8.0	3.7	ug/L	U		2	6010C
7440-47-3	Chromium	8.0	20.0	6.6	ug/L	J		2	6010C
7440-50-8	Copper	16.1	50.0	16.1	ug/L	U		2	6010C
7440-02-0	Nickel	18.0	80.0	18.0	ug/L	U		2	6010C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: FB-42017 Lab Sample ID: 460-131030-8

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/05/2017 10:50

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-43-9	Cadmium	1.8	4.0	1.8	ug/L	U		1	6010C
7440-47-3	Chromium	3.3	10.0	3.3	ug/L	U		1	6010C
7440-50-8	Copper	8.1	25.0	8.1	ug/L	U		1	6010C
7440-02-0	Nickel	9.0	40.0	9.0	ug/L	U		1	6010C

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

ICV Source: ME_CCV_DUO_00162 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00162

Analyte	ICV 460-431784/7 04/20/2017 10:37				CCV 460-431784/61 04/20/2017 15:57				CCV 460-431784/74 04/20/2017 16:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	1241		1250	99	1272		1250	102	1287		1250	103
Chromium	4977		5000	100	5059		5000	101	5180		5000	104
Copper	12430		12500	99	12810		12500	102	12890		12500	103
Nickel	2487		2500	99	2573		2500	103	2618		2500	105

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.: 460-131030-1

SDG No.:

ICV Source: ME_CCV_DUO_00162 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00162

Analyte	CCV 460-431784/87 04/20/2017 17:40				CCV 460-431784/96 04/20/2017 18:15							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	1290		1250	103	1307		1250	105				
Chromium	5210		5000	104	5259		5000	105				
Copper	12870		12500	103	12980		12500	104				
Nickel	2626		2500	105	2668		2500	107				

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.: 460-131030-1

SDG No.:

ICV Source: ME_Cal2_BC_00023 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00023

Analyte	ICVL 460-431784/9 04/20/2017 10:45				CCVL 460-431784/63 04/20/2017 16:05				CCVL 460-431784/76 04/20/2017 16:56			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	4.16		4.00	104	4.18		4.00	104	4.26		4.00	107
Chromium	11.07		10.0	111	10.79		10.0	108	10.96		10.0	110
Copper	25.06		25.0	100	24.49	J	25.0	98	24.97	J	25.0	100
Nickel	43.35		40.0	108	43.78		40.0	109	45.18		40.0	113

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.: 460-131030-1

SDG No.:

ICV Source: ME_Cal2_BC_00023 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00023

Analyte	CCVL 460-431784/89 04/20/2017 17:48				CCVL 460-431784/98 04/20/2017 18:23							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	4.22		4.00	105	4.32		4.00	108				
Chromium	10.97		10.0	110	11.44		10.0	114				
Copper	24.49	J	25.0	98	25.20		25.0	101				
Nickel	44.47		40.0	111	45.11		40.0	113				

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.: 460-131030-1

SDG No.:

ICV Source: ME_CCV_DUO_00162 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00162

Analyte	ICV 460-432111/7 04/21/2017 11:03				CCV 460-432111/50 04/21/2017 14:25				CCV 460-432111/63 04/21/2017 15:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	1254		1250	100	1265		1250	101	1285		1250	103
Chromium	5053		5000	101	5149		5000	103	5251		5000	105
Copper	12510		12500	100	12440		12500	100	12530		12500	100
Nickel	2523		2500	101	2549		2500	102	2605		2500	104

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.: 460-131030-1

SDG No.:

ICV Source: ME_CCV_DUO_00162 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00162

Analyte	CCV 460-432111/76 04/21/2017 16:46											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	1295		1250	104								
Chromium	5268		5000	105								
Copper	12660		12500	101								
Nickel	2625		2500	105								

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.: 460-131030-1

SDG No.:

ICV Source: ME_Cal2_BC_00023 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00023

Analyte	ICVL 460-432111/9 04/21/2017 11:10				CCVL 460-432111/52 04/21/2017 14:33				CCVL 460-432111/65 04/21/2017 16:02			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	4.37		4.00	109	4.20		4.00	105	4.29		4.00	107
Chromium	11.01		10.0	110	10.75		10.0	108	10.96		10.0	110
Copper	25.42		25.0	102	24.88	J	25.0	100	25.21		25.0	101
Nickel	42.69		40.0	107	44.02		40.0	110	44.92		40.0	112

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.: 460-131030-1

SDG No.:

ICV Source: ME_Cal2_BC_00023 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00023

Analyte	CCVL 460-432111/78 04/21/2017 16:53											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Cadmium	4.20		4.00	105								
Chromium	10.92		10.0	109								
Copper	25.51		25.0	102								
Nickel	44.84		40.0	112								

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.: 460-131030-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-431784/8 04/20/2017 10:41		CCB 460-431784/62 04/20/2017 16:01		CCB 460-431784/75 04/20/2017 16:52		CCB 460-431784/88 04/20/2017 17:44	
		Found	C	Found	C	Found	C	Found	C
Cadmium	4.0	1.8	U	1.8	U	1.8	U	1.8	U
Chromium	10.0	3.3	U	3.3	U	3.3	U	3.3	U
Copper	25.0	8.1	U	8.1	U	8.1	U	8.1	U
Nickel	40.0	9.0	U	9.0	U	9.0	U	9.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-431784/97 04/20/2017 18:19							
		Found	C	Found	C	Found	C	Found	C
Cadmium	4.0	1.8	U						
Chromium	10.0	3.3	U						
Copper	25.0	8.1	U						
Nickel	40.0	9.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-432111/8 04/21/2017 11:06		CCB 460-432111/51 04/21/2017 14:29		CCB 460-432111/64 04/21/2017 15:58		CCB 460-432111/77 04/21/2017 16:49	
		Found	C	Found	C	Found	C	Found	C
Cadmium	4.0	1.8	U	1.8	U	1.8	U	1.8	U
Chromium	10.0	3.3	U	3.3	U	3.3	U	3.3	U
Copper	25.0	8.1	U	8.1	U	8.1	U	8.1	U
Nickel	40.0	9.0	U	9.0	U	9.0	U	9.0	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-431672/1-A

Instrument Code: ICP4 Batch No.: 431784

CAS No.	Analyte	Concentration	C	Q	Method
7440-43-9	Cadmium	1.8	U		6010C
7440-47-3	Chromium	3.3	U		6010C
7440-50-8	Copper	8.1	U		6010C
7440-02-0	Nickel	9.0	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-431973/1-A

Instrument Code: ICP4 Batch No.: 432111

CAS No.	Analyte	Concentration	C	Q	Method
7440-43-9	Cadmium	1.8	U		6010C
7440-47-3	Chromium	3.3	U		6010C
7440-50-8	Copper	8.1	U		6010C
7440-02-0	Nickel	9.0	U		6010C

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: ICSA 460-431784/10 Instrument ID: ICP4

Lab File ID: 431668.asc ICS Source: ME_ICSA_Duo_00075

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Cadmium		**-0.745**	
Chromium		**-1.37**	
Copper		**-6.30**	
Nickel		**-0.747**	
Aluminum	*500000*	*476900*	*95*
Antimony		*-1.96*	
Arsenic		*0.354*	
Barium		*-0.0741*	
Beryllium		*0.0490*	
Boron		*-7.69*	
Calcium	*500000*	*487200*	*97*
Cobalt		*-3.46*	
Iron	*200000*	*188700*	*94*
Lead		*-0.767*	
Magnesium	*500000*	*495600*	*99*
Manganese		*0.316*	
Molybdenum		*-1.11*	
Potassium		*-52.8*	
Selenium		*0.255*	
Silver		*0.266*	
Sodium		*-41.8*	
Strontium		*3.09*	
Thallium		*-2.14*	
Tin		*7.26*	
Titanium		*2.18*	
Vanadium		*5.79*	
Zinc		*-2.88*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: ICSAB 460-431784/11 Instrument ID: ICP4

Lab File ID: 431668.asc ICS Source: ME_ICSAB_DUO_00094

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Cadmium	**100**	**96.1**	**96**
Chromium	**100**	**101**	**101**
Copper	**100**	**102**	**102**
Nickel	**100**	**95.3**	**95**
Aluminum	*500000*	*510000*	*102*
Antimony	*100*	*93.4*	*93*
Arsenic	*100*	*96.3*	*96*
Barium	*100*	*102*	*102*
Beryllium	*100*	*101*	*101*
Boron	*100*	*91.5*	*92*
Calcium	*500000*	*512100*	*102*
Cobalt	*100*	*94.8*	*95*
Iron	*200000*	*199100*	*100*
Lead	*100*	*96.0*	*96*
Magnesium	*500000*	*511700*	*102*
Manganese	*100*	*104*	*104*
Molybdenum	*100*	*97.5*	*98*
Potassium	*10000*	*10280*	*103*
Selenium	*100*	*101*	*101*
Silver	*100*	*106*	*106*
Sodium	*10000*	*10400*	*104*
Strontium	*100*	*105*	*105*
Thallium	*100*	*101*	*101*
Tin	*100*	*108*	*108*
Titanium	*100*	*108*	*108*
Vanadium	*100*	*107*	*107*
Zinc	*100*	*93.9*	*94*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: ICSA 460-432111/10 Instrument ID: ICP4

Lab File ID: 431929.asc ICS Source: ME_ICSA_Duo_00075

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Cadmium		**-0.487**	
Chromium		**-2.02**	
Copper		**-5.80**	
Nickel		**-0.884**	
Aluminum	*500000*	*476900*	*95*
Antimony		*-3.80*	
Arsenic		*0.482*	
Barium		*0.401*	
Beryllium		*0.103*	
Boron		*-6.55*	
Calcium	*500000*	*485400*	*97*
Cobalt		*-2.24*	
Iron	*200000*	*189400*	*95*
Lead		*-1.76*	
Magnesium	*500000*	*494500*	*99*
Manganese		*0.346*	
Molybdenum		*-0.696*	
Potassium		*-84.7*	
Selenium		*-3.06*	
Silver		*-0.0814*	
Sodium		*-83.6*	
Strontium		*3.31*	
Thallium		*-0.323*	
Tin		*8.91*	
Titanium		*2.19*	
Vanadium		*4.77*	
Zinc		*-2.29*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Lab Sample ID: ICSAB 460-432111/11 Instrument ID: ICP4

Lab File ID: 431929.asc ICS Source: ME_ICSAB_DUO_00094

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Cadmium	**100**	**96.8**	**97**
Chromium	**100**	**99.7**	**100**
Copper	**100**	**104**	**104**
Nickel	**100**	**95.9**	**96**
Aluminum	*500000*	*513700*	*103*
Antimony	*100*	*94.4*	*94*
Arsenic	*100*	*95.0*	*95*
Barium	*100*	*102*	*102*
Beryllium	*100*	*102*	*102*
Boron	*100*	*91.4*	*91*
Calcium	*500000*	*503700*	*101*
Cobalt	*100*	*96.2*	*96*
Iron	*200000*	*200700*	*100*
Lead	*100*	*94.5*	*94*
Magnesium	*500000*	*510200*	*102*
Manganese	*100*	*103*	*103*
Molybdenum	*100*	*98.6*	*99*
Potassium	*10000*	*10160*	*102*
Selenium	*100*	*98.8*	*99*
Silver	*100*	*108*	*108*
Sodium	*10000*	*10170*	*102*
Strontium	*100*	*104*	*104*
Thallium	*100*	*97.6*	*98*
Tin	*100*	*107*	*107*
Titanium	*100*	*110*	*110*
Vanadium	*100*	*110*	*110*
Zinc	*100*	*94.6*	*95*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: 18S-42017 MS
Lab ID: 460-131030-3 MS
Lab Name: TestAmerica Edison
Job No.: 460-131030-1
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	52.26		1.8	U	50.0	105	75-125		6010C
Chromium	474.2		257		200	108	75-125		6010C
Copper	265.9		14.3	J	250	101	75-125		6010C
Nickel	667.9		136		500	106	75-125		6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-131844-E-1-C MS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

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	52.18		1.8	U	50.0	104	75-125		6010C
Chromium	251.8		36.6		200	108	75-125		6010C
Copper	287.5		18.1	J	250	108	75-125		6010C
Nickel	538.4		9.0	U	500	108	75-125		6010C

SSR = Spiked Sample Result

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

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: 18S-42017 PDS
Lab ID: 460-131030-3 PDS
Lab Name: TestAmerica Edison
Job No.: 460-131030-1
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	51.75		1.8	U	50.0	104	80-120		6010C
Chromium	469.0		257		200	106	80-120		6010C
Copper	261.6		14.3	J	250	99	80-120		6010C
Nickel	660.5		136		500	105	80-120		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: Lab ID: 460-131844-E-1-A PDS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

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	50.65		1.8	U	50.0	101	80-120		6010C
Chromium	244.7		36.6		200	104	80-120		6010C
Copper	277.7		18.1	J	250	104	80-120		6010C
Nickel	520.3		9.0	U	500	104	80-120		6010C

SSR = Spiked Sample Result

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

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: 18S-42017 DU | Lab ID: 460-131030-3 DU

Lab Name: TestAmerica Edison | Job No.: 460-131030-1

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	4.0	1.8	U	1.8	U	NC		6010C
Chromium	10.0	257		257.0		0.1		6010C
Copper	25.0	14.3	J	14.44	J	1		6010C
Nickel	40.0	136		136.4		0.6		6010C

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: Lab ID: 460-131844-E-1-B DU

Lab Name: TestAmerica Edison Job No.: 460-131030-1

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	4.0	1.8	U	1.8	U	NC		6010C
Chromium	10.0	36.6		36.22		0.9		6010C
Copper	25.0	18.1	J	18.08	J	0.1		6010C
Nickel	40.0	9.0	U	9.0	U	NC		6010C

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

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-431672/2-A

Lab Name: TestAmerica Edison Job No.: 460-131030-1

Sample Matrix: Water LCS Source: ME_LCS-int_00061

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Cadmium	50.0	52.25		105	80	120		6010C
Chromium	200	211.4		106	80	120		6010C
Copper	250	251.0		100	80	120		6010C
Nickel	500	540.8		108	80	120		6010C

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 460-431973/2-A

Lab Name: TestAmerica Edison Job No.: 460-131030-1

Sample Matrix: Water LCS Source: ME_LCS-int_00061

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Cadmium	50.0	52.37		105	80	120		6010C
Chromium	200	215.1		108	80	120		6010C
Copper	250	247.5		99	80	120		6010C
Nickel	500	539.5		108	80	120		6010C

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

Lab ID: 460-131030-3

SDG No:

Lab Name: TestAmerica Edison Job No: 460-131030-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Cadmium	1.8	U	9.2	U	NC		6010C
Chromium	257		246.8		NC		6010C
Copper	14.3	J	40.3	U	NC		6010C
Nickel	136		130.5	J	NC		6010C

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: 460-131844-E-1-A SD

SDG No:

Lab Name: TestAmerica Edison Job No: 460-131030-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Cadmium	1.8	U	9.2	U	NC		6010C
Chromium	36.6		37.12	J	NC		6010C
Copper	18.1	J	40.3	U	NC		6010C
Nickel	9.0	U	45.1	U	NC		6010C

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-131030-1

SDG Number:

Matrix: Water Instrument ID: ICP4

Method: 6010C MDL Date: 08/24/2016 10:40

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Cadmium		4	1.84
Chromium		10	3.31
Copper		25	8.06
Nickel		40	9.01

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-131030-1

SDG Number:

Matrix: Water Instrument ID: ICP4

Method: 6010C XMDL Date: 08/24/2016 10:41

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Cadmium		4	1.84
Chromium		10	3.31
Copper		25	8.06
Nickel		40	9.01

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Edison Job No: 460-131030-1

SDG No.:

Instrument ID: ICP4 Date: 04/06/2017 13:44

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Cadmium		10000	6010C
Chromium		40000	6010C
Copper		100000	6010C
Nickel		20000	6010C

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-431672/1-A	04/20/2017 00:00	431672		50	50
LCS 460-431672/2-A	04/20/2017 00:00	431672		50	50
460-131844-E-1-B DU	04/20/2017 00:00	431672		50	50
460-131844-E-1-C MS	04/20/2017 00:00	431672		50	50
460-131030-1	04/20/2017 00:00	431672		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-431973/1-A	04/21/2017 01:55	431973		50	50
LCS 460-431973/2-A	04/21/2017 01:55	431973		50	50
460-131030-3	04/21/2017 01:55	431973		50	50
460-131030-3 DU	04/21/2017 01:55	431973		50	50
460-131030-3 MS	04/21/2017 01:55	431973		50	50
460-131030-2	04/21/2017 01:55	431973		50	50
460-131030-4	04/21/2017 01:55	431973		50	50
460-131030-5	04/21/2017 01:55	431973		50	50
460-131030-7	04/21/2017 01:55	431973		50	50
460-131030-8	04/21/2017 01:55	431973		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: ICP4 Method: 6010C

Start Date: 04/20/2017 10:13 End Date: 04/20/2017 23:51

Lab Sample ID	D/F	Type	Time	Analytes																				
				Cd	Cr	Cu	Ni																	
ICIS 460-431784/1	1		10:13	X	X	X	X																	
ZZZZZZ			10:17																					
ZZZZZZ			10:21																					
ZZZZZZ			10:25																					
ZZZZZZ			10:29																					
ZZZZZZ			10:33																					
ICV 460-431784/7	1		10:37	X	X	X	X																	
ICB 460-431784/8	1		10:41	X	X	X	X																	
ICVL 460-431784/9	1		10:45	X	X	X	X																	
ICSA 460-431784/10	1		10:49	X	X	X	X																	
ICSAB 460-431784/11	1		10:53	X	X	X	X																	
ZZZZZZ			10:57																					
ZZZZZZ			11:01																					
CCV 460-431784/14			11:09																					
CCB 460-431784/15			11:13																					
CCVL 460-431784/16			11:17																					
ZZZZZZ			11:21																					
ZZZZZZ			11:25																					
ZZZZZZ			11:29																					
ZZZZZZ			11:32																					
ZZZZZZ			11:36																					
ZZZZZZ			11:40																					
ZZZZZZ			11:44																					
ZZZZZZ			11:47																					
ZZZZZZ			11:51																					
ZZZZZZ			11:55																					
CCV 460-431784/27			11:59																					
CCB 460-431784/28			12:03																					
CCVL 460-431784/29			12:07																					
ZZZZZZ			12:11																					
ZZZZZZ			12:15																					
ZZZZZZ			12:18																					
ZZZZZZ			12:22																					
ZZZZZZ			12:26																					
ZZZZZZ			12:30																					
ZZZZZZ			12:34																					
ZZZZZZ			12:38																					
ZZZZZZ			12:42																					
ZZZZZZ			12:46																					
CCV 460-431784/40			12:49																					
CCB 460-431784/41			12:53																					
CCVL 460-431784/42			12:57																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: ICP4 Method: 6010C

Start Date: 04/20/2017 10:13 End Date: 04/20/2017 23:51

Lab Sample ID	D/F	Type	Time	Analytes																				
				Cd	Cr	Cu	Ni																	
ZZZZZZ			13:01																					
ZZZZZZ			13:05																					
ZZZZZZ			13:09																					
ZZZZZZ			13:13																					
ZZZZZZ			13:17																					
ZZZZZZ			13:20																					
ZZZZZZ			13:24																					
ZZZZZZ			13:28																					
ZZZZZZ			13:32																					
ZZZZZZ			13:36																					
CCV 460-431784/53			13:39																					
CCB 460-431784/54			13:43																					
CCVL 460-431784/55			13:47																					
ZZZZZZ			13:51																					
ZZZZZZ			13:55																					
CCV 460-431784/58			13:59																					
CCB 460-431784/59			14:03																					
CCVL 460-431784/60			14:07																					
CCV 460-431784/61	1		15:57	X	X	X	X																	
CCB 460-431784/62	1		16:01	X	X	X	X																	
CCVL 460-431784/63	1		16:05	X	X	X	X																	
MB 460-431672/1-A	1	T	16:09	X	X	X	X																	
LCS 460-431672/2-A	1	T	16:13	X	X	X	X																	
460-131844-E-1-B DU	1	T	16:17	X	X	X	X																	
ZZZZZZ			16:21																					
460-131844-E-1-A SD	5	T	16:25	X	X	X	X																	
460-131844-E-1-C MS	1	T	16:29	X	X	X	X																	
460-131844-E-1-A PDS	1	T	16:33	X	X	X	X																	
ZZZZZZ			16:37																					
ZZZZZZ			16:41																					
ZZZZZZ			16:45																					
CCV 460-431784/74	1		16:49	X	X	X	X																	
CCB 460-431784/75	1		16:52	X	X	X	X																	
CCVL 460-431784/76	1		16:56	X	X	X	X																	
ZZZZZZ			17:00																					
ZZZZZZ			17:04																					
ZZZZZZ			17:08																					
ZZZZZZ			17:12																					
ZZZZZZ			17:16																					
ZZZZZZ			17:20																					
ZZZZZZ			17:24																					
ZZZZZZ			17:28																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: ICP4 Method: 6010C

Start Date: 04/20/2017 10:13 End Date: 04/20/2017 23:51

Lab Sample ID	D/F	Type	Time	Analytes																				
				Cd	Cr	Cu	Ni																	
ZZZZZZ			17:32																					
ZZZZZZ			17:36																					
CCV 460-431784/87	1		17:40	X	X	X	X																	
CCB 460-431784/88	1		17:44	X	X	X	X																	
CCVL 460-431784/89	1		17:48	X	X	X	X																	
ZZZZZZ			17:52																					
ZZZZZZ			17:56																					
ZZZZZZ			18:00																					
460-131030-1	1	T	18:04	X	X	X	X																	
ZZZZZZ			18:07																					
ZZZZZZ			18:11																					
CCV 460-431784/96	1		18:15	X	X	X	X																	
CCB 460-431784/97	1		18:19	X	X	X	X																	
CCVL 460-431784/98	1		18:23	X	X	X	X																	
CCV 460-431784/99			20:34																					
CCB 460-431784/100			20:38																					
CCVL 460-431784/101			20:42																					
ZZZZZZ			20:46																					
ZZZZZZ			20:50																					
ZZZZZZ			20:54																					
ZZZZZZ			20:58																					
ZZZZZZ			21:01																					
ZZZZZZ			21:05																					
ZZZZZZ			21:09																					
ZZZZZZ			21:13																					
ZZZZZZ			21:16																					
ZZZZZZ			21:20																					
CCV 460-431784/112			21:24																					
CCB 460-431784/113			21:28																					
CCVL 460-431784/114			21:32																					
ZZZZZZ			21:36																					
ZZZZZZ			21:40																					
ZZZZZZ			21:43																					
ZZZZZZ			21:47																					
ZZZZZZ			21:51																					
ZZZZZZ			21:55																					
ZZZZZZ			21:59																					
ZZZZZZ			22:03																					
CCV 460-431784/123			22:42																					
CCB 460-431784/124			22:46																					
CCVL 460-431784/125			22:50																					
ZZZZZZ			22:54																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: ICP4 Method: 6010C

Start Date: 04/20/2017 10:13 End Date: 04/20/2017 23:51

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cd	Cr	Cu	Ni																	
ZZZZZZ			22:57																					
ZZZZZZ			23:01																					
ZZZZZZ			23:05																					
ZZZZZZ			23:09																					
ZZZZZZ			23:13																					
ZZZZZZ			23:17																					
ZZZZZZ			23:20																					
ZZZZZZ			23:24																					
ZZZZZZ			23:28																					
CCV 460-431784/136			23:32																					
CCB 460-431784/137			23:36																					
CCVL 460-431784/138			23:40																					
CCV 460-431784/139			23:44																					
CCB 460-431784/140			23:47																					
CCVL 460-431784/141			23:51																					

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: ICP4 Method: 6010C

Start Date: 04/21/2017 10:39 End Date: 04/21/2017 22:31

Lab Sample ID	D/F	Type	Time	Analytes																				
				Cd	Cr	Cu	Ni																	
ICIS 460-432111/1	1		10:39	X	X	X	X																	
ZZZZZZ			10:43																					
ZZZZZZ			10:47																					
ZZZZZZ			10:51																					
ZZZZZZ			10:55																					
ZZZZZZ			10:58																					
ICV 460-432111/7	1		11:03	X	X	X	X																	
ICB 460-432111/8	1		11:06	X	X	X	X																	
ICVL 460-432111/9	1		11:10	X	X	X	X																	
ICSA 460-432111/10	1		11:14	X	X	X	X																	
ICSAB 460-432111/11	1		11:18	X	X	X	X																	
ZZZZZZ			11:22																					
ZZZZZZ			11:26																					
ZZZZZZ			11:30																					
CCV 460-432111/15			11:34																					
CCB 460-432111/16			11:38																					
CCVL 460-432111/17			11:42																					
ZZZZZZ			12:23																					
ZZZZZZ			12:27																					
ZZZZZZ			12:31																					
ZZZZZZ			12:34																					
ZZZZZZ			12:38																					
ZZZZZZ			12:42																					
ZZZZZZ			12:46																					
ZZZZZZ			12:50																					
ZZZZZZ			12:53																					
ZZZZZZ			12:57																					
CCV 460-432111/28			13:01																					
CCB 460-432111/29			13:05																					
CCVL 460-432111/30			13:09																					
ZZZZZZ			13:13																					
ZZZZZZ			13:16																					
ZZZZZZ			13:20																					
ZZZZZZ			13:24																					
ZZZZZZ			13:28																					
ZZZZZZ			13:31																					
ZZZZZZ			13:35																					
ZZZZZZ			13:39																					
ZZZZZZ			13:43																					
ZZZZZZ			13:47																					
CCV 460-432111/41			13:50																					
CCB 460-432111/42			13:54																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: ICP4 Method: 6010C

Start Date: 04/21/2017 10:39 End Date: 04/21/2017 22:31

Lab Sample ID	D/F	Type	Time	Analytes																				
				Cd	Cr	Cu	Ni																	
CCVL 460-432111/43			13:58																					
ZZZZZZ			14:02																					
ZZZZZZ			14:06																					
ZZZZZZ			14:10																					
ZZZZZZ			14:14																					
ZZZZZZ			14:17																					
ZZZZZZ			14:21																					
CCV 460-432111/50	1		14:25	X	X	X	X																	
CCB 460-432111/51	1		14:29	X	X	X	X																	
CCVL 460-432111/52	1		14:33	X	X	X	X																	
ZZZZZZ			15:16																					
ZZZZZZ			15:20																					
MB 460-431973/1-A	1	T	15:24	X	X	X	X																	
LCS 460-431973/2-A	1	T	15:28	X	X	X	X																	
460-131030-3 DU	1	T	15:31	X	X	X	X																	
460-131030-3	1	T	15:35	X	X	X	X																	
460-131030-3 SD	5	T	15:39	X	X	X	X																	
460-131030-3 MS	1	T	15:43	X	X	X	X																	
460-131030-3 PDS	1	T	15:47	X	X	X	X																	
ZZZZZZ			15:50																					
CCV 460-432111/63	1		15:54	X	X	X	X																	
CCB 460-432111/64	1		15:58	X	X	X	X																	
CCVL 460-432111/65	1		16:02	X	X	X	X																	
ZZZZZZ			16:06																					
ZZZZZZ			16:10																					
460-131030-2	1	T	16:14	X	X	X	X																	
460-131030-4	2	T	16:18	X	X	X	X																	
460-131030-5	1	T	16:22	X	X	X	X																	
460-131030-7	2	T	16:26	X	X	X	X																	
460-131030-8	1	T	16:30	X	X	X	X																	
ZZZZZZ			16:34																					
ZZZZZZ			16:38																					
ZZZZZZ			16:42																					
CCV 460-432111/76	1		16:46	X	X	X	X																	
CCB 460-432111/77	1		16:49	X	X	X	X																	
CCVL 460-432111/78	1		16:53	X	X	X	X																	
ZZZZZZ			16:57																					
ZZZZZZ			17:01																					
CCV 460-432111/81			17:20																					
CCB 460-432111/82			17:23																					
CCVL 460-432111/83			17:27																					
ZZZZZZ			17:31																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: ICP4 Method: 6010C

Start Date: 04/21/2017 10:39 End Date: 04/21/2017 22:31

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cd	Cr	Cu	Ni																	
ZZZZZZ			17:35																					
ZZZZZZ			17:39																					
ZZZZZZ			17:43																					
ZZZZZZ			17:47																					
ZZZZZZ			17:50																					
ZZZZZZ			17:54																					
ZZZZZZ			17:58																					
ZZZZZZ			18:02																					
ZZZZZZ			18:06																					
CCV 460-432111/94			18:10																					
CCB 460-432111/95			18:13																					
CCVL 460-432111/96			18:17																					
ZZZZZZ			18:21																					
ZZZZZZ			18:25																					
ZZZZZZ			18:29																					
ZZZZZZ			18:33																					
ZZZZZZ			18:37																					
ZZZZZZ			18:40																					
ZZZZZZ			18:44																					
ZZZZZZ			18:48																					
ZZZZZZ			18:52																					
ZZZZZZ			18:56																					
CCV 460-432111/107			19:00																					
CCB 460-432111/108			19:03																					
CCVL 460-432111/109			19:07																					
ZZZZZZ			19:14																					
ZZZZZZ			19:18																					
ZZZZZZ			19:22																					
ZZZZZZ			19:25																					
ZZZZZZ			19:29																					
ZZZZZZ			19:33																					
ZZZZZZ			19:37																					
ZZZZZZ			19:41																					
ZZZZZZ			19:45																					
ZZZZZZ			19:49																					
CCV 460-432111/120			19:52																					
CCB 460-432111/121			19:56																					
CCVL 460-432111/122			20:00																					
ZZZZZZ			20:04																					
ZZZZZZ			20:08																					
ZZZZZZ			20:12																					
ZZZZZZ			20:16																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

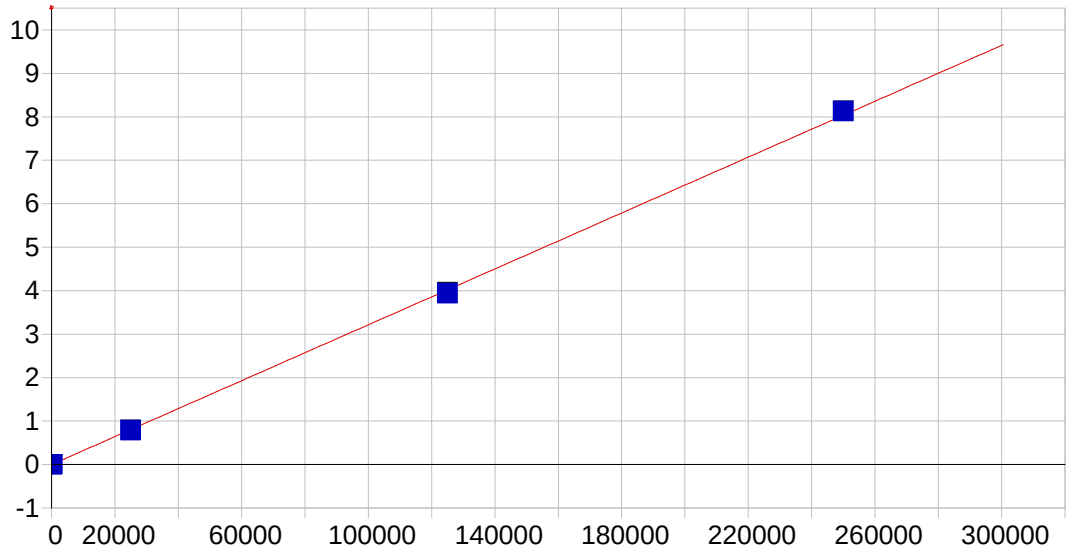
Instrument ID: ICP4 Method: 6010C

Start Date: 04/21/2017 10:39 End Date: 04/21/2017 22:31

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cd	Cr	Cu	Ni																	
ZZZZZZ			20:20																					
ZZZZZZ			20:24																					
ZZZZZZ			20:27																					
ZZZZZZ			20:31																					
ZZZZZZ			20:35																					
ZZZZZZ			20:39																					
CCV 460-432111/133			20:43																					
CCB 460-432111/134			20:47																					
CCVL 460-432111/135			20:51																					
ZZZZZZ			20:55																					
ZZZZZZ			20:59																					
ZZZZZZ			21:02																					
ZZZZZZ			21:06																					
ZZZZZZ			21:10																					
ZZZZZZ			21:14																					
ZZZZZZ			21:18																					
ZZZZZZ			21:22																					
ZZZZZZ			21:26																					
ZZZZZZ			21:30																					
CCV 460-432111/146			21:34																					
CCB 460-432111/147			21:37																					
CCVL 460-432111/148			21:41																					
ZZZZZZ			21:47																					
ZZZZZZ			21:51																					
ZZZZZZ			21:55																					
ZZZZZZ			21:59																					
ZZZZZZ			22:03																					
ZZZZZZ			22:07																					
ZZZZZZ			22:11																					
ZZZZZZ			22:15																					
ZZZZZZ			22:19																					
CCV 460-432111/158			22:23																					
CCB 460-432111/159			22:27																					
CCVL 460-432111/160			22:31																					

Prep Types

T = Total/NA

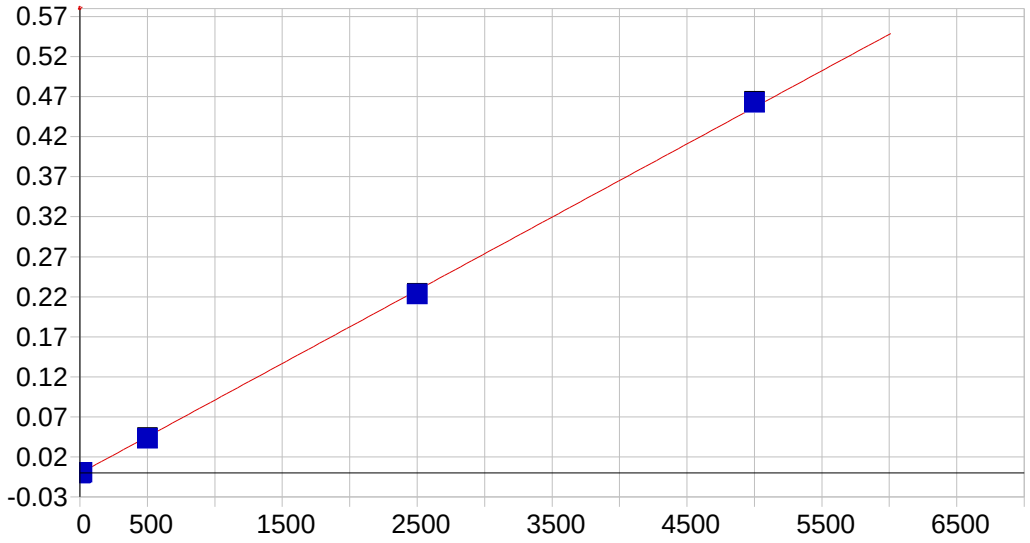


Al 396.152 { 85}

Date of Fit:	4/20/2017 10:37:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000177	Re-Slope:	1.000000
A1 (Gain):	0.000032	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999880	Status:	OK.
Std Error of Est:	0.000182		
Predicted MDL:	12.829191		
Predicted MQL:	42.763971		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00991	-.010	.000	-.00018	.000	1
CAL2	200.00	215.56	15.6	7.78	.00677	.000	1
CAL3	25000.	24494.	-506.	-2.02	.78780	.003	1
CAL4	125000.	122520.	-2480.	-1.99	3.9412	.020	1
CAL5	250000.	252970.	2970.	1.19	8.1379	.005	1

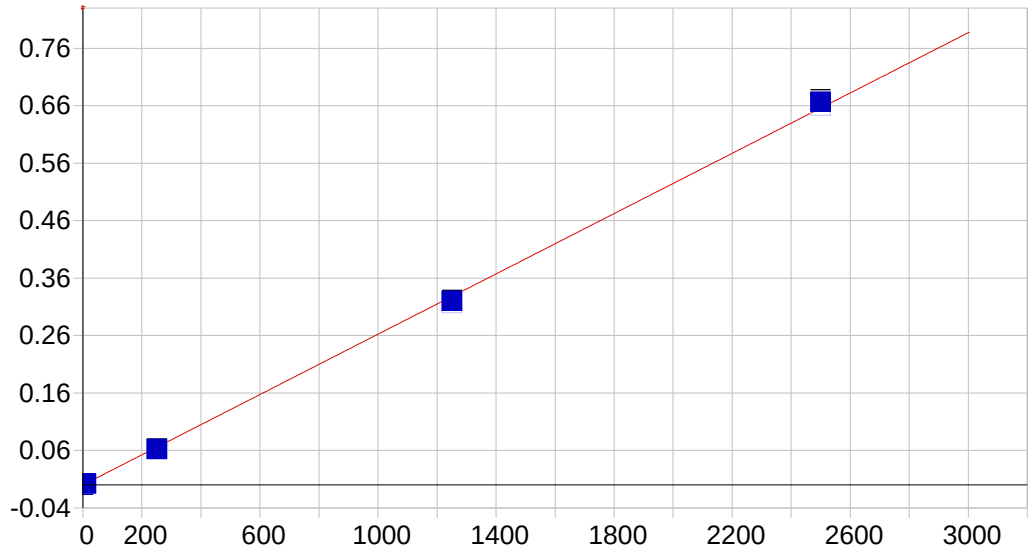


As 189.042 {478}

Date of Fit:	4/20/2017 10:37:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000465	Re-Slope:	1.000000
A1 (Gain):	0.000091	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999817	Status:	OK.
Std Error of Est:	0.000014		
Predicted MDL:	1.951985		
Predicted MQL:	6.506615		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00083	.001	.000	-.00046	.000	1
CAL2	15.000	14.607	-.393	-2.62	.00087	.000	1
CAL3	500.00	478.94	-21.1	-4.21	.04325	.000	1
CAL4	2500.0	2450.6	-49.4	-1.98	.22323	.001	1
CAL5	5000.0	5071.4	71.4	1.43	.46249	.001	1
CAL1	5.0000	4.5431	-.457	-9.14	-.00005	.000	1

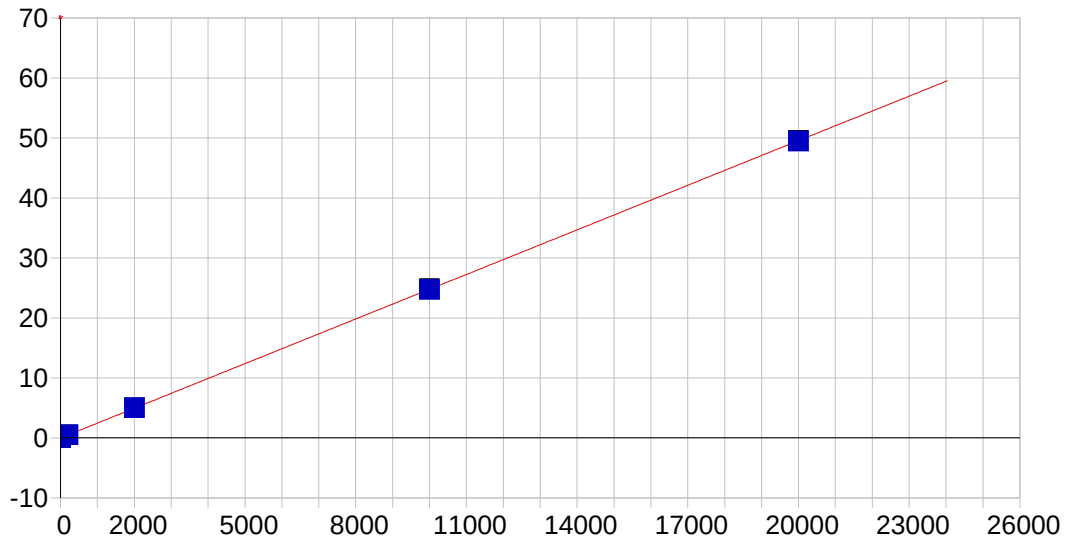


Ag 328.068 {103}

Date of Fit:	4/20/2017 10:37:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000056	Re-Slope:	1.000000
A1 (Gain):	0.000262	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999749	Status:	OK.
Std Error of Est:	0.000048		
Predicted MDL:	0.594116		
Predicted MQL:	1.980386		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00087	.001	.000	-.00006	.000	1
CAL2	10.000	9.6758	-.324	-3.24	.00245	.000	1
CAL3	250.00	238.07	-11.9	-4.77	.06172	.000	1
CAL4	1250.0	1220.6	-29.4	-2.36	.31673	.001	1
CAL5	2500.0	2541.7	41.7	1.67	.65991	.004	1

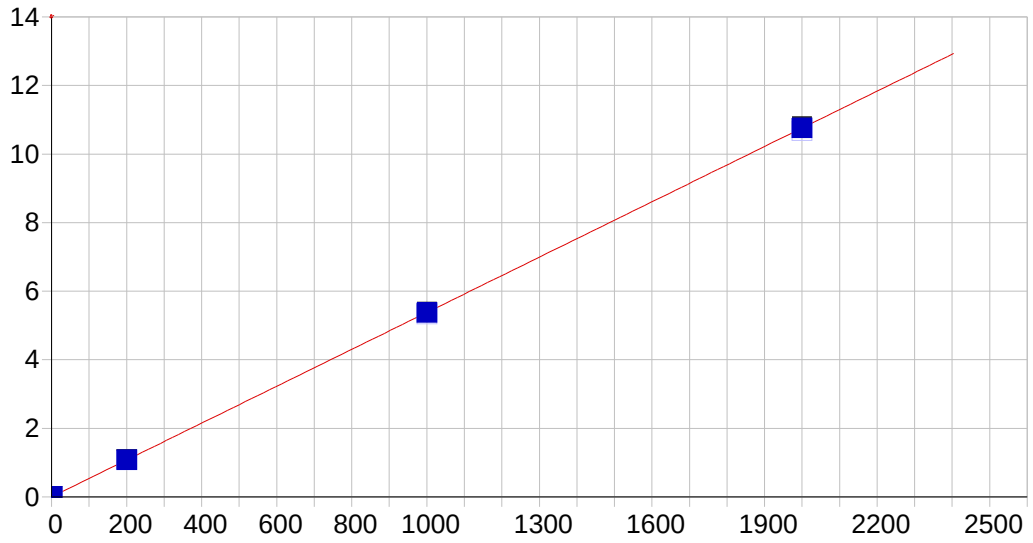


Ba 233.527 {445}

Date of Fit:	4/20/2017 10:37:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000086	Re-Slope:	1.000000
A1 (Gain):	0.002477	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999982	Status:	OK.
Std Error of Est:	0.001519		
Predicted MDL:	0.128236		
Predicted MQL:	0.427453		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01222	-.012	.000	-.00012	.000	1
CAL2	200.00	209.20	9.20	4.60	.51786	.002	1
CAL3	2000.0	2035.6	35.6	1.78	5.0319	.019	1
CAL4	10000.	9990.2	-9.79	-.098	24.694	.059	1
CAL5	20000.	19965.	-35.1	-.175	49.350	.097	1

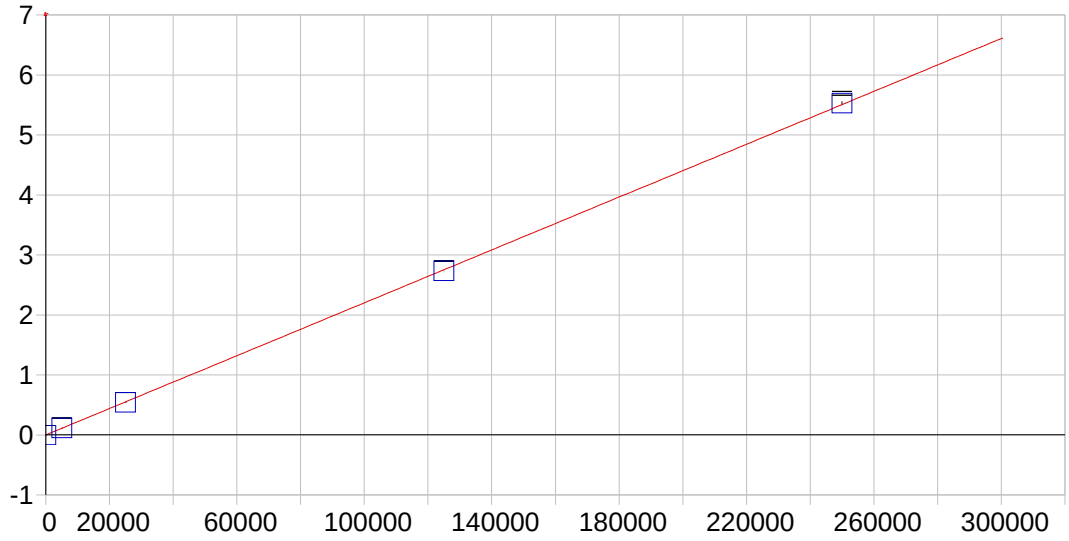


Be 313.042 {108}

Date of Fit:	4/20/2017 10:37:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000441	Re-Slope:	1.000000
A1 (Gain):	0.005379	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000044		
Predicted MDL:	0.074959		
Predicted MQL:	0.249862		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00010	-.000	.000	.00044	.000	1
CAL2	2.0000	2.0850	.085	4.25	.01158	.000	1
CAL3	200.00	201.67	1.67	.835	1.0774	.011	1
CAL4	1000.0	998.55	-1.45	-.145	5.3323	.017	1
CAL5	2000.0	1999.7	-.302	-.015	10.678	.029	1

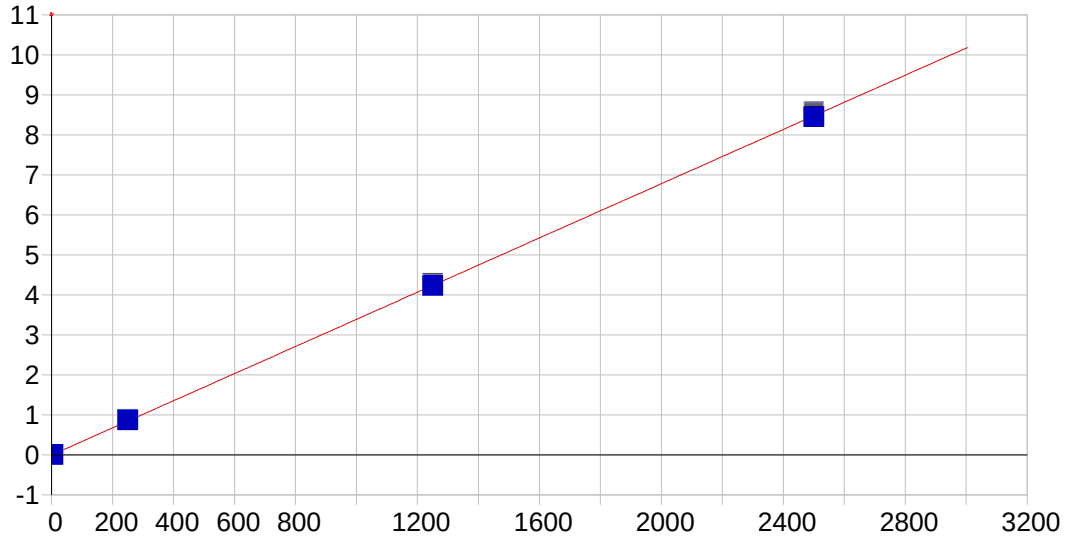


Ca 318.128 {106}

Date of Fit:	4/20/2017 10:37:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001121	Re-Slope:	1.000000
A1 (Gain):	0.000022	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999974	Status:	OK.
Std Error of Est:	0.000294		
Predicted MDL:	6.490316		
Predicted MQL:	21.634386		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.08935	-.089	.000	-.00112	.000	1
CAL2	5000.0	5177.7	178.	3.55	.11292	.000	1
CAL3	25000.	24619.	-381.	-1.53	.54111	.002	1
CAL4	125000.	124190.	-805.	-.644	2.7343	.005	1
CAL5	250000.	251010.	1010.	.404	5.5275	.031	1

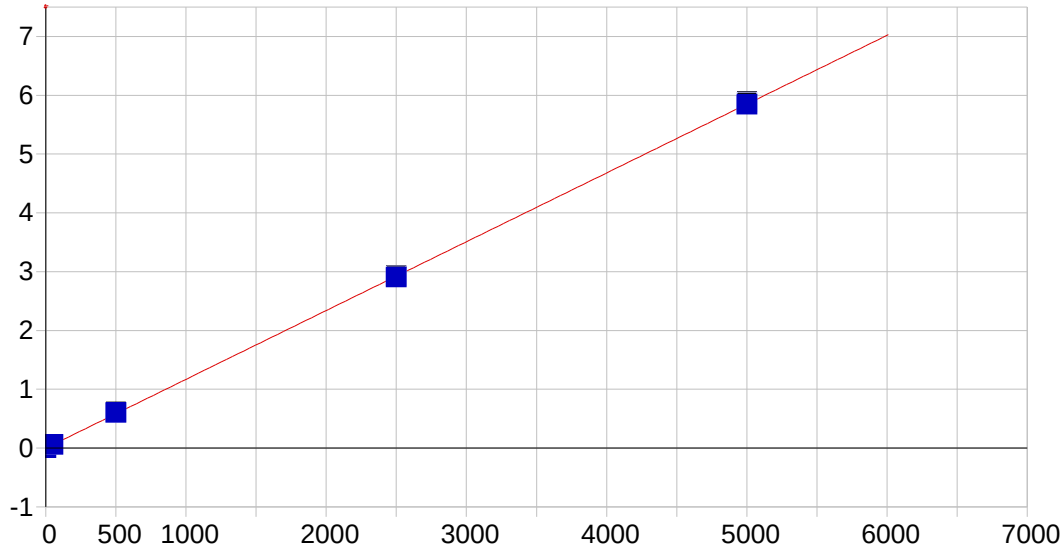


Cd 226.502 {449}

Date of Fit:	4/20/2017 10:37:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002516	Re-Slope:	1.000000
A1 (Gain):	0.003391	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999967	Status:	OK.
Std Error of Est:	0.000144		
Predicted MDL:	0.113620		
Predicted MQL:	0.378732		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00036	-.000	.000	-.00252	.000	1
CAL2	4.0000	4.2498	.250	6.24	.01197	.000	1
CAL3	250.00	257.71	7.71	3.08	.88071	.004	1
CAL4	1250.0	1248.0	-2.03	-.162	4.2760	.010	1
CAL5	2500.0	2494.1	-5.93	-.237	8.5481	.017	1

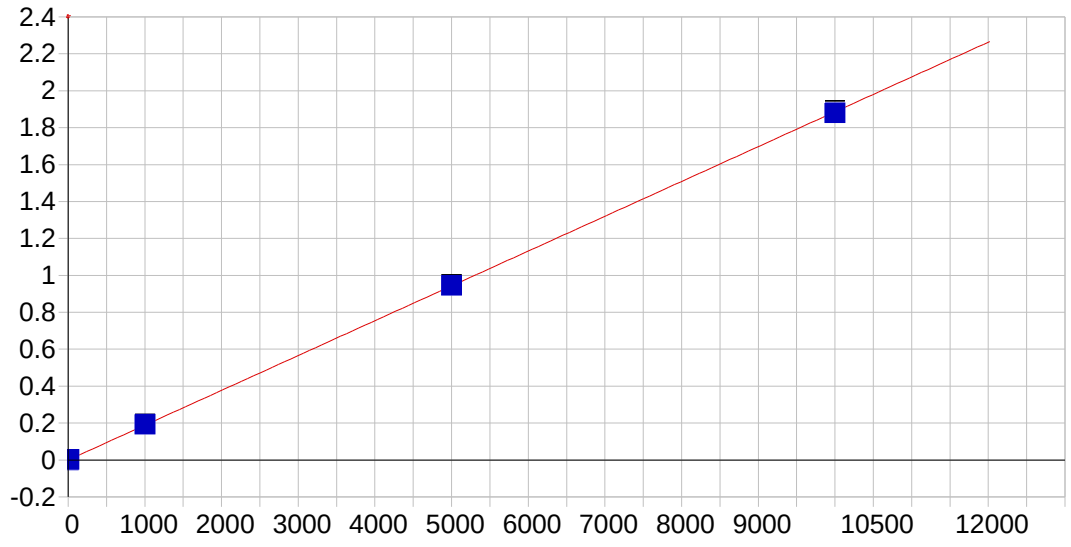


Co 228.616 {447}

Date of Fit:	4/20/2017 10:37:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000300	Re-Slope:	1.000000
A1 (Gain):	0.001170	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999954	Status:	OK.
Std Error of Est:	0.000294		
Predicted MDL:	0.272042		
Predicted MQL:	0.906807		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00420	-.004	.000	-.00031	.000	1
CAL2	50.000	52.964	2.96	5.93	.06168	.000	1
CAL3	500.00	515.71	15.7	3.14	.60696	.003	1
CAL4	2500.0	2485.6	-14.4	-.576	2.9272	.005	1
CAL5	5000.0	4995.7	-4.25	-.085	5.8835	.010	1

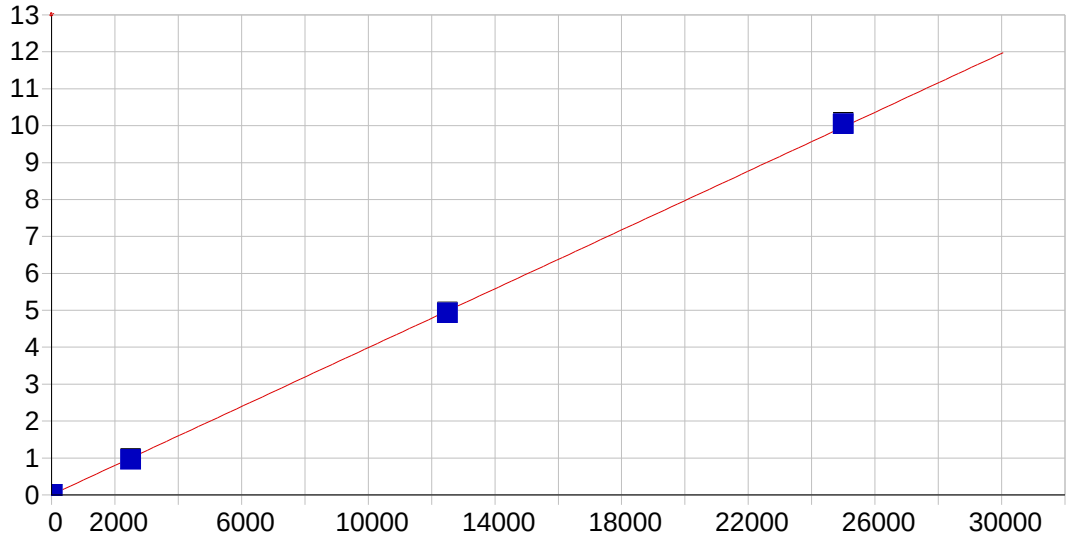


Cr 267.716 {126}

Date of Fit:	4/20/2017 10:37:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000033	Re-Slope:	1.000000
A1 (Gain):	0.000189	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999977	Status:	OK.
Std Error of Est:	0.000021		
Predicted MDL:	0.519263		
Predicted MQL:	1.730875		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00110	-.001	.000	-.00003	.000	1
CAL2	10.000	10.887	.887	8.87	.00203	.000	1
CAL3	1000.0	1023.0	23.0	2.30	.19293	.001	1
CAL4	5000.0	5010.4	10.4	.208	.94507	.004	1
CAL5	10000.	9965.7	-34.3	-.343	1.8798	.013	1

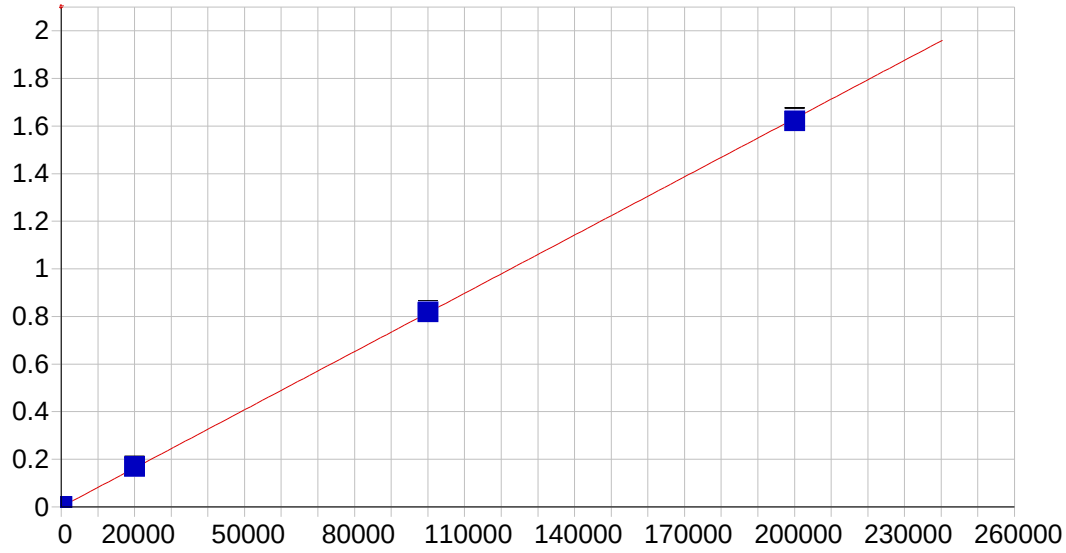


Cu 324.754 {104}

Date of Fit:	4/20/2017 10:37:20	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003259	Re-Slope:	1.000000
A1 (Gain):	0.000398	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999921	Status:	OK.
Std Error of Est:	0.000205		
Predicted MDL:	0.378265		
Predicted MQL:	1.260884		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00147	.001	.000	.00326	.000	1
CAL2	25.000	24.437	-.563	-2.25	.01299	.000	1
CAL3	2500.0	2414.7	-85.3	-3.41	.96503	.005	1
CAL4	12500.	12364.	-136.	-1.08	4.9280	.015	1
CAL5	25000.	25221.	221.	.886	10.049	.030	1

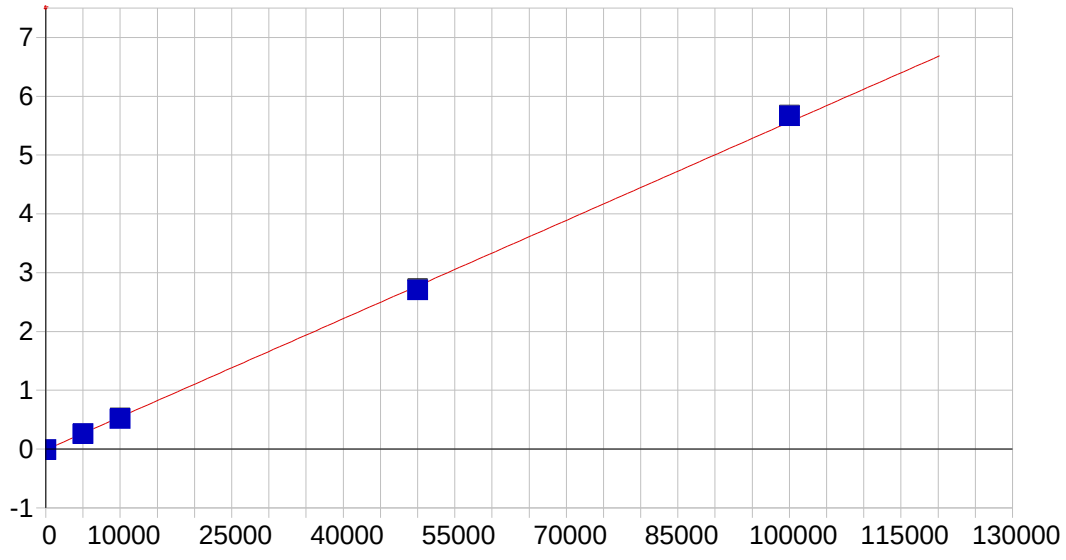


Fe 271.441 {124}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000130	Re-Slope:	1.000000
A1 (Gain):	0.000008	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999929	Status:	OK.
Std Error of Est:	0.000028		
Predicted MDL:	11.841656		
Predicted MQL:	39.472185		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.04088	-.041	.000	.00013	.000	1
CAL2	150.00	185.54	35.5	23.7	.00167	.000	1
CAL3	20000.	20746.	746.	3.73	.16968	.001	1
CAL4	100000.	100440.	443.	.443	.82110	.003	1
CAL5	200000.	198770.	-1230.	-.613	1.6248	.012	1

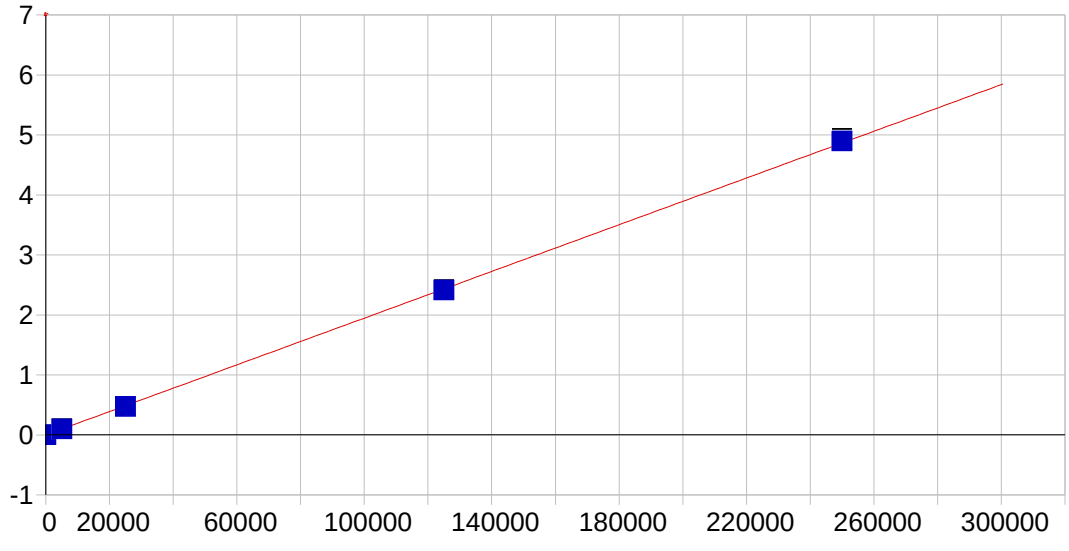


K 766.490 { 44}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.011320	Re-Slope:	1.000000
A1 (Gain):	0.000056	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999717	Status:	OK.
Std Error of Est:	0.001555		
Predicted MDL:	30.308683		
Predicted MQL:	101.028945		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.40078	.401	.000	-.01130	.001	1
CAL2	5000.0	4884.8	-115.	-2.30	.26094	.002	1
CAL3	10000.	9489.3	-511.	-5.11	.51778	.004	1
CAL4	50000.	48770.	-1230.	-2.46	2.7079	.012	1
CAL5	100000.	101860.	1860.	1.86	5.6678	.008	1

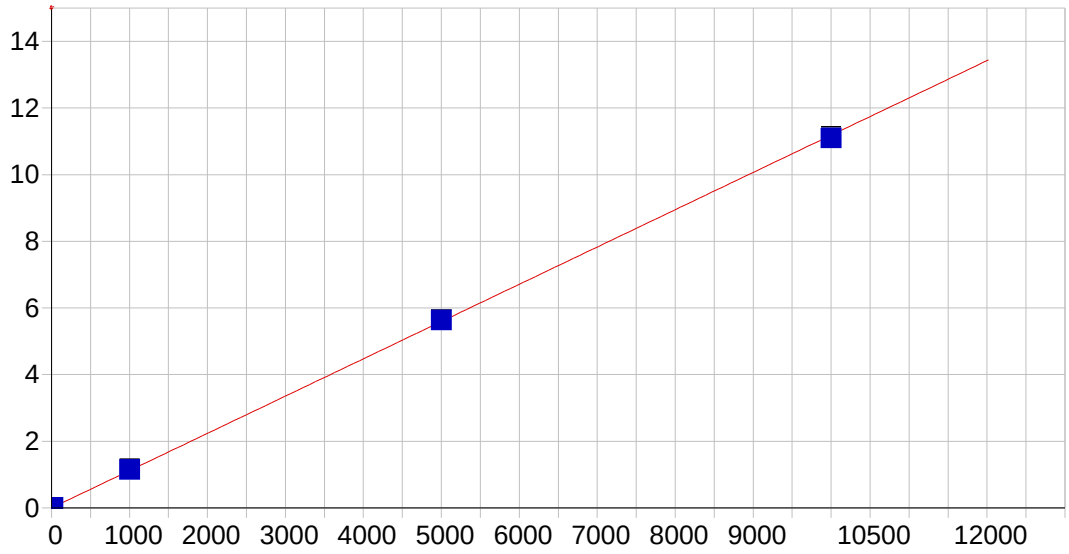


Mg 279.079 {121}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000019	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999950	Status:	OK.
Std Error of Est:	0.000357		
Predicted MDL:	5.382550		
Predicted MQL:	17.941834		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.16651	.167	.000	.00000	.000	1
CAL2	5000.0	4987.8	-12.2	-.244	.09707	.000	1
CAL3	25000.	24240.	-760.	-3.04	.47143	.002	1
CAL4	125000.	124110.	-887.	-.710	2.4138	.010	1
CAL5	250000.	251660.	1660.	.664	4.8945	.041	1

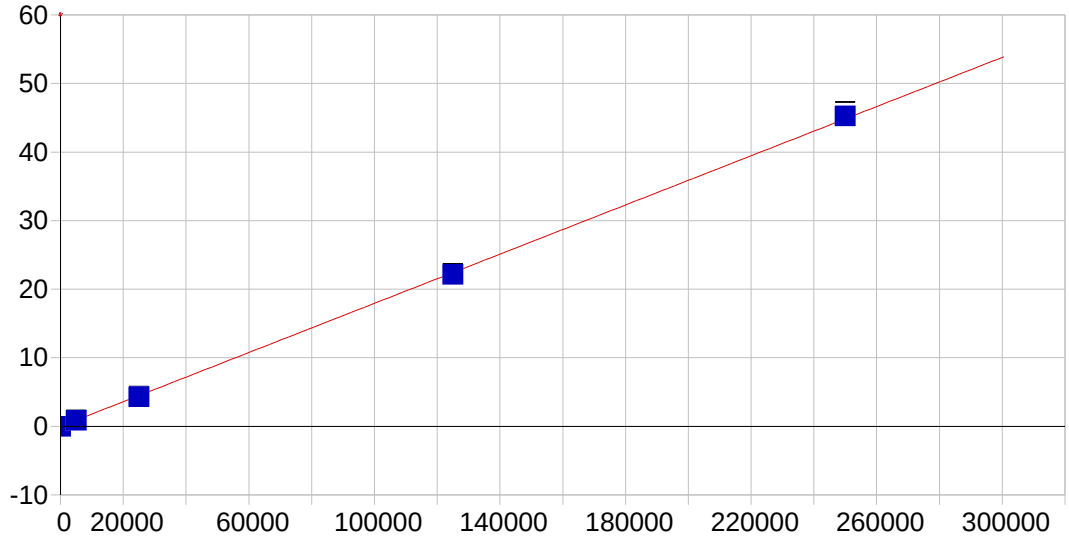


Mn 257.610 {131}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000286	Re-Slope:	1.000000
A1 (Gain):	0.001119	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999938	Status:	OK.
Std Error of Est:	0.000250		
Predicted MDL:	0.077611		
Predicted MQL:	0.258702		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00163	-.002	.000	.00028	.000	1
CAL2	15.000	16.146	1.15	7.64	.01835	.000	1
CAL3	1000.0	1031.0	31.0	3.10	1.1533	.005	1
CAL4	5000.0	5043.5	43.5	.870	5.6407	.011	1
CAL5	10000.	9924.4	-75.6	-.756	11.099	.043	1

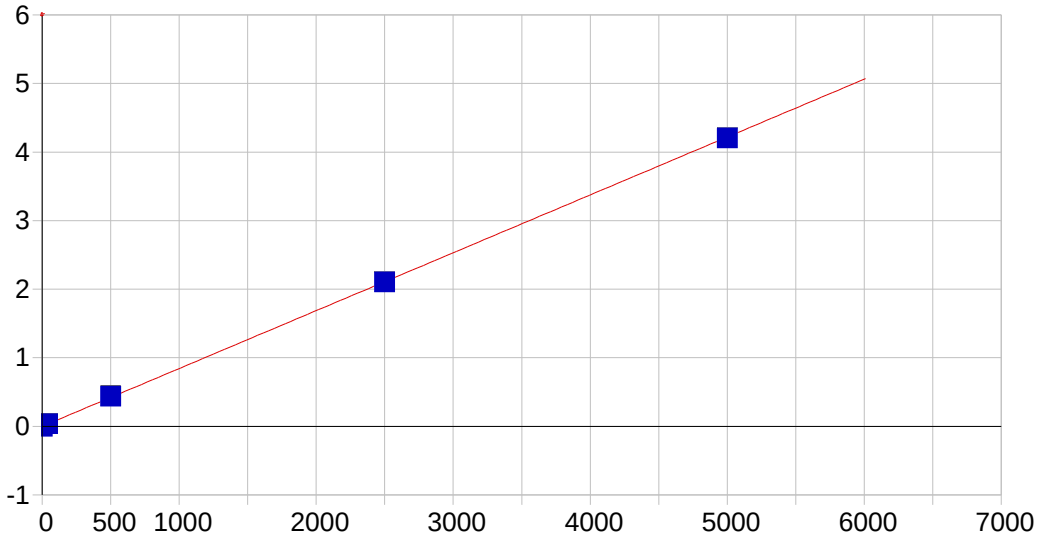


Na 589.592 { 57}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000876	Re-Slope:	1.000000
A1 (Gain):	0.000179	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999922	Status:	OK.
Std Error of Est:	0.004109		
Predicted MDL:	8.695053		
Predicted MQL:	28.983510		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.24654	.247	.000	.00092	.001	1
CAL2	5000.0	4920.4	-79.6	-1.59	.88341	.002	1
CAL3	25000.	24224.	-776.	-3.10	4.3471	.017	1
CAL4	125000.	123560.	-1440.	-1.15	22.170	.111	1
CAL5	250000.	252300.	2300.	.919	45.267	.611	1

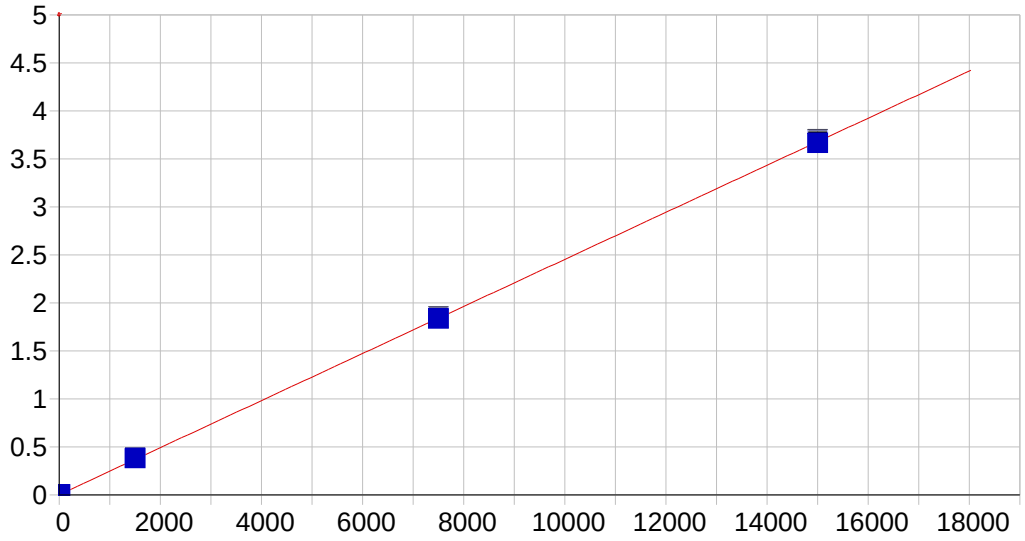


Ni 231.604 {446}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000627	Re-Slope:	1.000000
A1 (Gain):	0.000844	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999926	Status:	OK.
Std Error of Est:	0.000239		
Predicted MDL:	0.440385		
Predicted MQL:	1.467949		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00435	-.004	.000	-.00063	.000	1
CAL2	40.000	42.875	2.88	7.19	.03556	.000	1
CAL3	500.00	521.32	21.3	4.26	.43985	.002	1
CAL4	2500.0	2495.1	-4.89	-.196	2.1077	.005	1
CAL5	5000.0	4980.7	-19.3	-.386	4.2079	.007	1

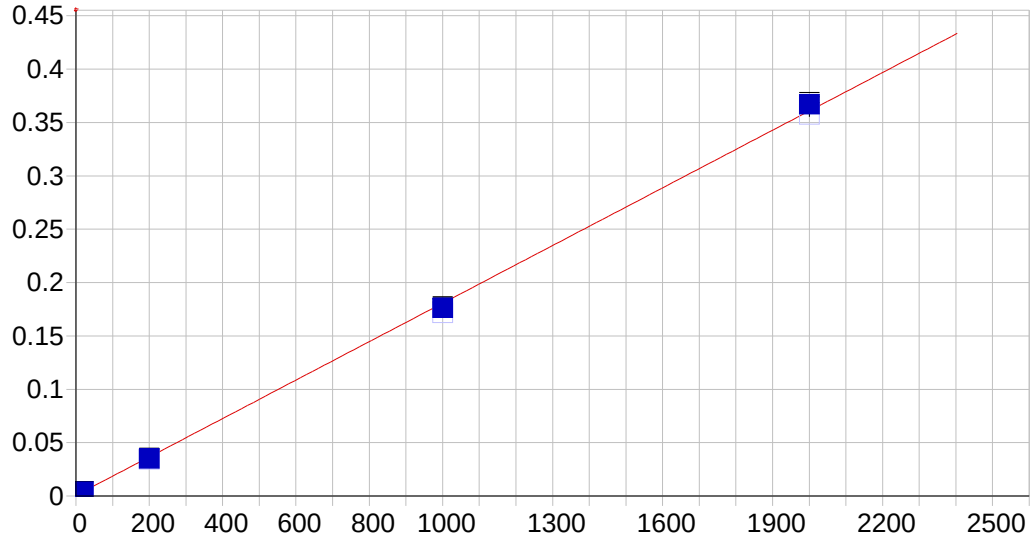


Pb 220.353 {453}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001966	Re-Slope:	1.000000
A1 (Gain):	0.000245	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999938	Status:	OK.
Std Error of Est:	0.000037		
Predicted MDL:	1.697917		
Predicted MQL:	5.659723		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00179	-.002	.000	.00197	.000	1
CAL2	10.000	12.249	2.25	22.5	.00499	.000	1
CAL3	1500.0	1558.6	58.6	3.91	.38702	.002	1
CAL4	7500.0	7485.3	-14.7	-.195	1.8519	.005	1
CAL5	15000.	14953.	-46.7	-.311	3.6975	.007	1
CAL1	5.0000	5.4993	.499	9.99	.00331	.000	1

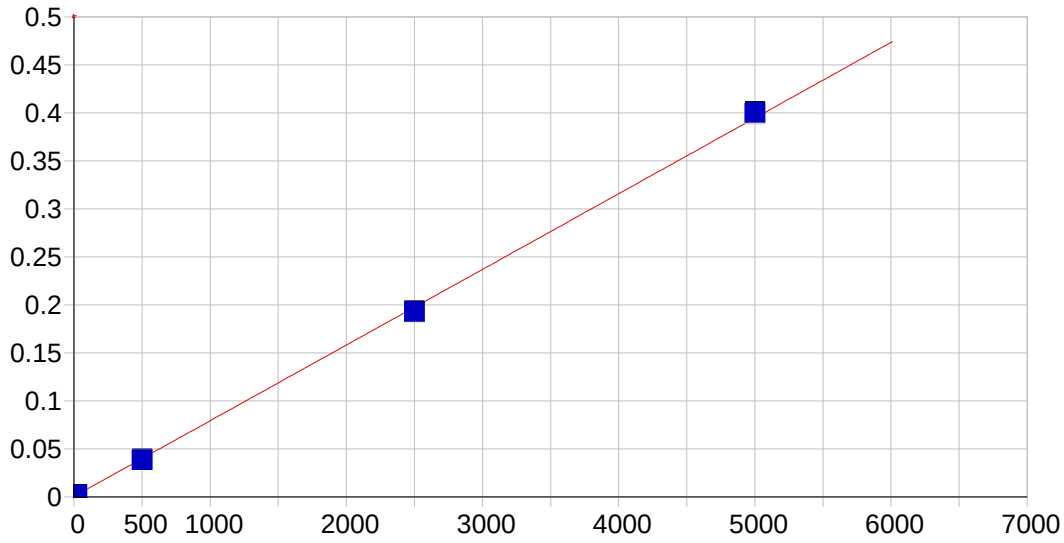


Sb 206.833 {463}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000520	Re-Slope:	1.000000
A1 (Gain):	0.000180	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999733	Status:	OK.
Std Error of Est:	0.000028		
Predicted MDL:	1.508735		
Predicted MQL:	5.029116		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00186	.002	.000	.00052	.000	1
CAL2	20.000	19.043	-.957	-4.78	.00374	.000	1
CAL3	200.00	191.77	-8.23	-4.11	.03410	.000	1
CAL4	1000.0	975.87	-24.1	-2.41	.17150	.001	1
CAL5	2000.0	2034.2	34.2	1.71	.35735	.002	1
CAL1	10.000	9.0999	-.900	-9.00	.00216	.000	1

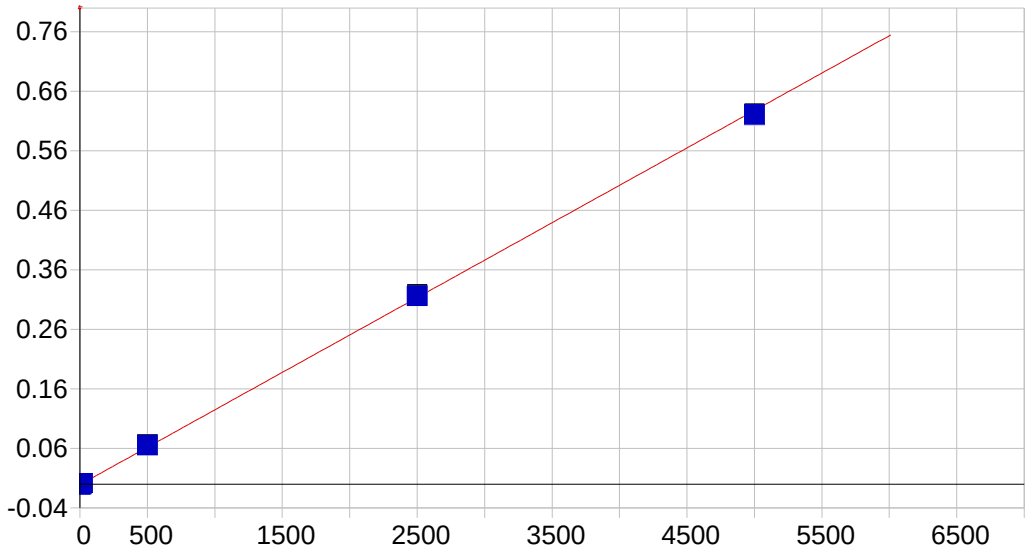


Se 196.090 {472}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000516	Re-Slope:	1.000000
A1 (Gain):	0.000079	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999827	Status:	OK.
Std Error of Est:	0.000011		
Predicted MDL:	2.771273		
Predicted MQL:	9.237576		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00018	.000	.000	.00052	.000	1
CAL2	20.000	20.946	.946	4.73	.00217	.000	1
CAL3	500.00	485.28	-14.7	-2.94	.03860	.001	1
CAL4	2500.0	2443.5	-56.5	-2.26	.19231	.001	1
CAL5	5000.0	5070.5	70.5	1.41	.39857	.001	1
CAL1	5.0000	4.7781	-.222	-4.44	.00089	.000	1

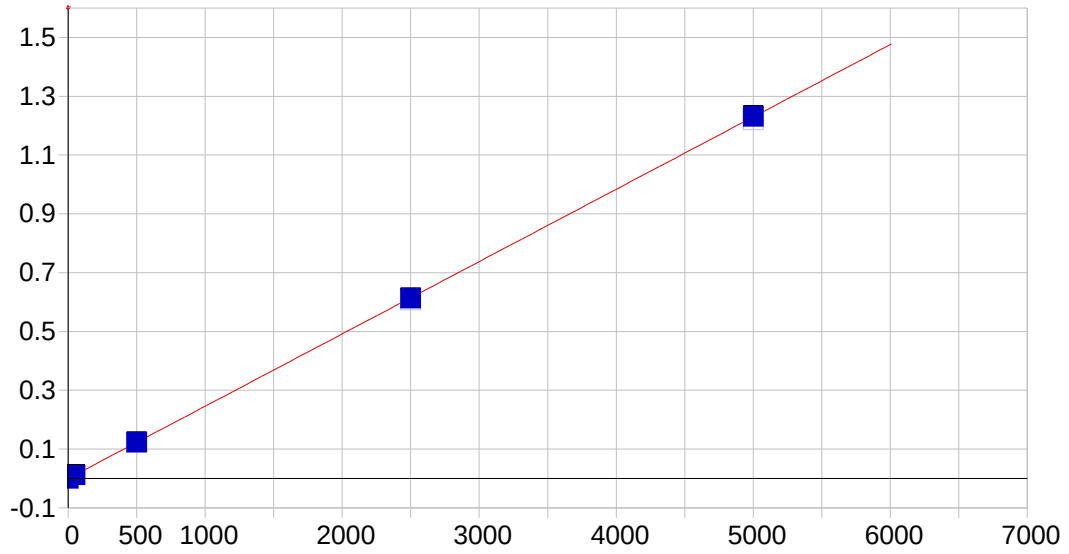


Tl 190.856 {477}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000974	Re-Slope:	1.000000
A1 (Gain):	0.000126	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999787	Status:	OK.
Std Error of Est:	0.000028		
Predicted MDL:	1.954004		
Predicted MQL:	6.513347		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00015	-.000	.000	-.00097	.000	1
CAL2	20.000	23.111	3.11	15.6	.00191	.000	1
CAL3	500.00	528.75	28.8	5.75	.06535	.000	1
CAL4	2500.0	2525.6	25.6	1.02	.31579	.002	1
CAL5	5000.0	4944.6	-55.4	-1.11	.61916	.001	1
CAL1	10.000	8.0286	-1.97	-19.7	.00004	.000	1

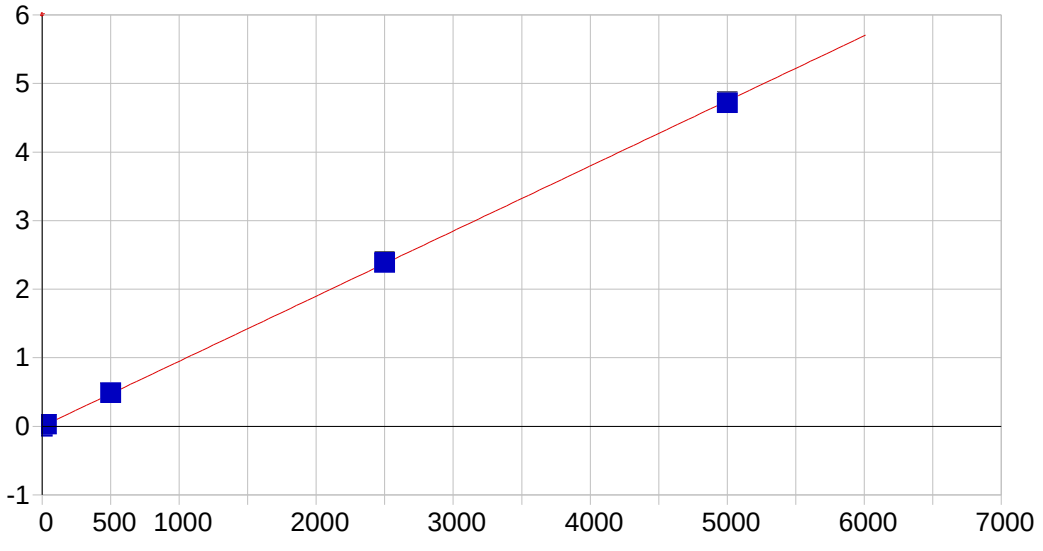


V 292.402 {115}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000056	Re-Slope:	1.000000
A1 (Gain):	0.000246	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999993	Status:	OK.
Std Error of Est:	0.000023		
Predicted MDL:	0.459551		
Predicted MQL:	1.531838		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00165	-.002	.000	-.00006	.000	1
CAL2	50.000	51.631	1.63	3.26	.01262	.000	1
CAL3	500.00	501.46	1.46	.292	.12202	.000	1
CAL4	2500.0	2490.0	-9.97	-.399	.60607	.001	1
CAL5	5000.0	5006.9	6.86	.137	1.2188	.003	1

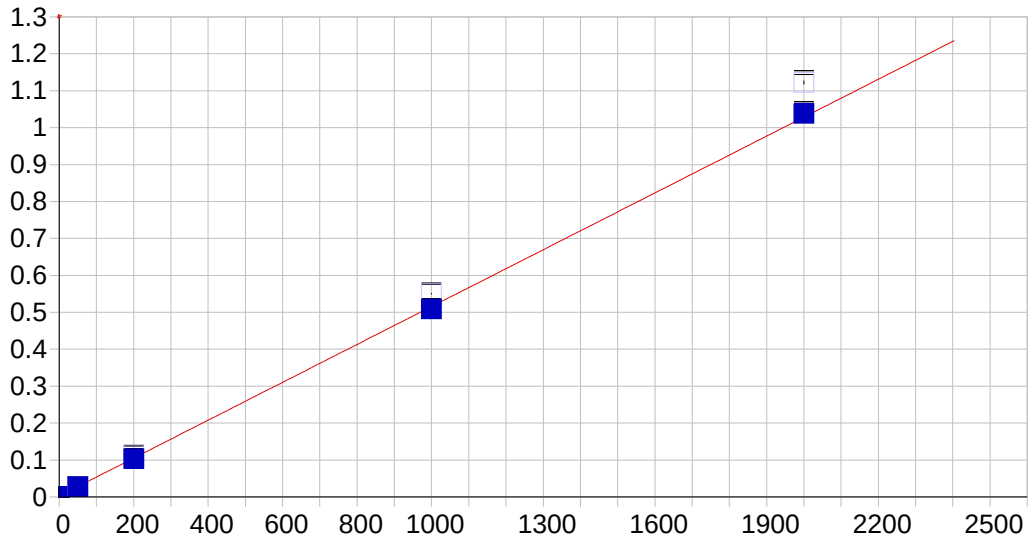


Zn 206.200 {463}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000005	Re-Slope:	1.000000
A1 (Gain):	0.000949	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999940	Status:	OK.
Std Error of Est:	0.000209		
Predicted MDL:	0.230801		
Predicted MQL:	0.769335		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00298	-.003	.000	-.00001	.000	1
CAL2	30.000	32.016	2.02	6.72	.03037	.000	1
CAL3	500.00	516.59	16.6	3.32	.49185	.003	1
CAL4	2500.0	2513.6	13.6	.545	2.3935	.003	1
CAL5	5000.0	4967.8	-32.2	-.645	4.7305	.005	1

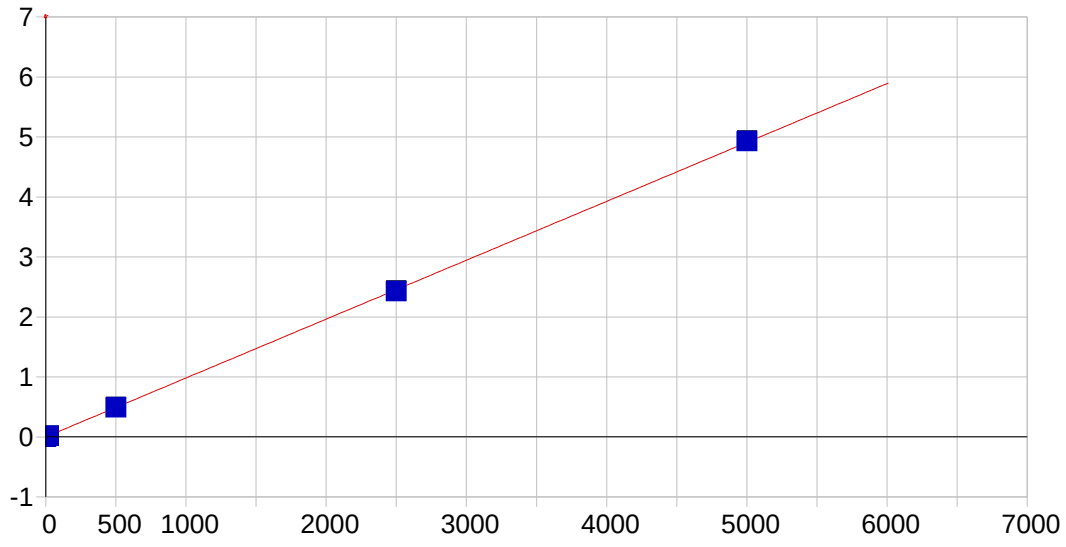


B 208.959 {461}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002595	Re-Slope:	1.000000
A1 (Gain):	0.000513	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999933	Status:	OK.
Std Error of Est:	0.000105		
Predicted MDL:	0.505347		
Predicted MQL:	1.684490		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00277	.003	.000	.00260	.000	1
CAL2	50.000	48.532	-1.47	-2.94	.02782	.000	1
CAL3	200.00	195.55	-4.45	-2.22	.11127	.001	1
CAL4	1000.0	986.57	-13.4	-1.34	.55049	.002	1
CAL5	2000.0	2019.3	19.3	.963	1.1220	.005	1

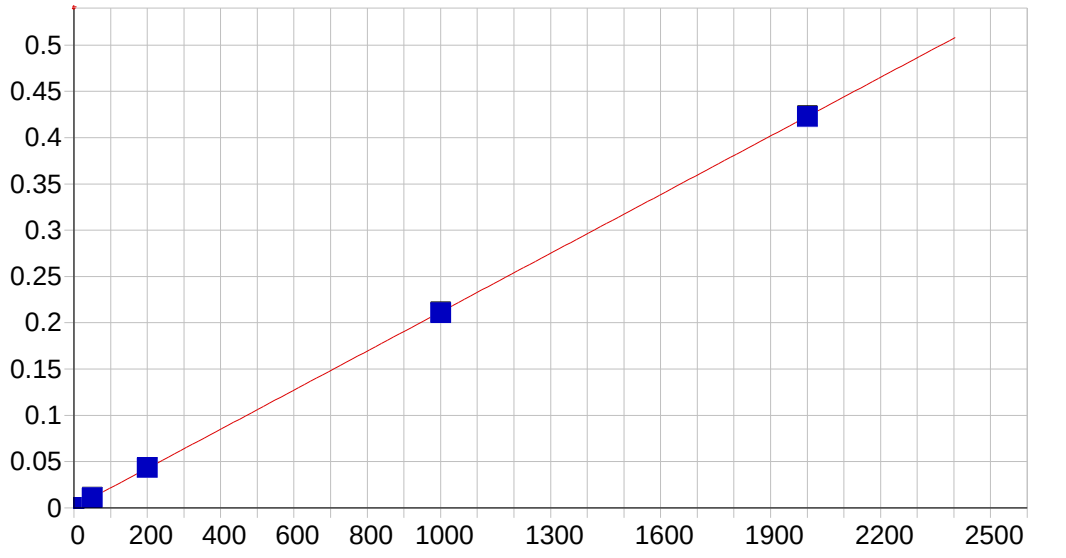


Mo 202.030 {467}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000396	Re-Slope:	1.000000
A1 (Gain):	0.000981	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999976	Status:	OK.
Std Error of Est:	0.000111		
Predicted MDL:	0.232057		
Predicted MQL:	0.773524		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00016	.000	.000	.00040	.000	1
CAL2	20.000	19.887	-.113	-.564	.01992	.000	1
CAL3	500.00	501.41	1.41	.281	.49231	.003	1
CAL4	2500.0	2474.4	-25.6	-1.02	2.4280	.007	1
CAL5	5000.0	5024.3	24.3	.486	4.9296	.013	1

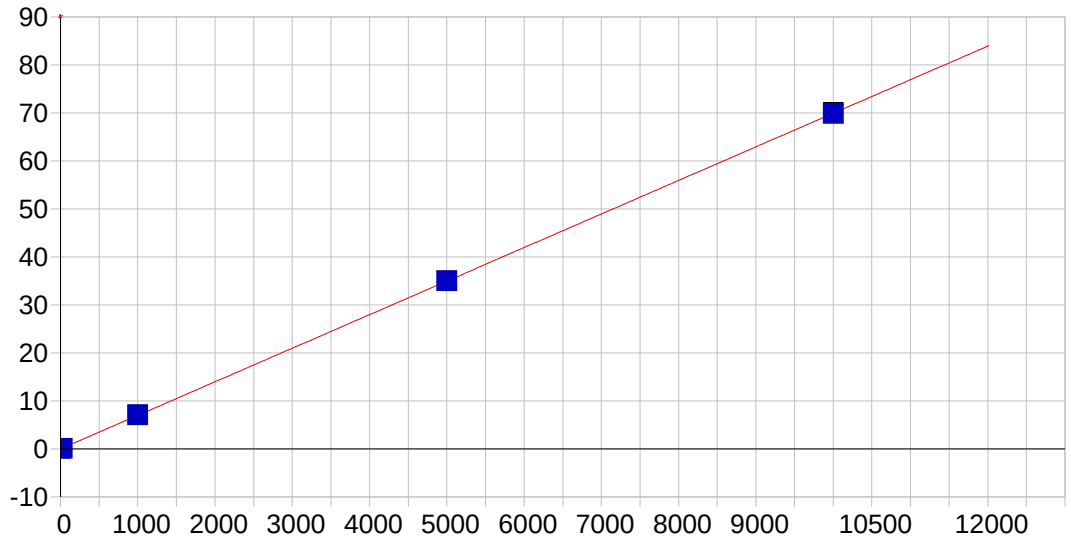


Sn 189.989 {477}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000484	Re-Slope:	1.000000
A1 (Gain):	0.000211	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999988	Status:	OK.
Std Error of Est:	0.000017		
Predicted MDL:	0.789484		
Predicted MQL:	2.631613		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00111	-.001	.000	.00048	.000	1
CAL2	50.000	50.419	.419	.839	.01113	.000	1
CAL3	200.00	203.54	3.54	1.77	.04340	.000	1
CAL4	1000.0	996.20	-3.80	-.380	.21052	.001	1
CAL5	2000.0	1999.8	-.157	-.008	.42213	.001	1

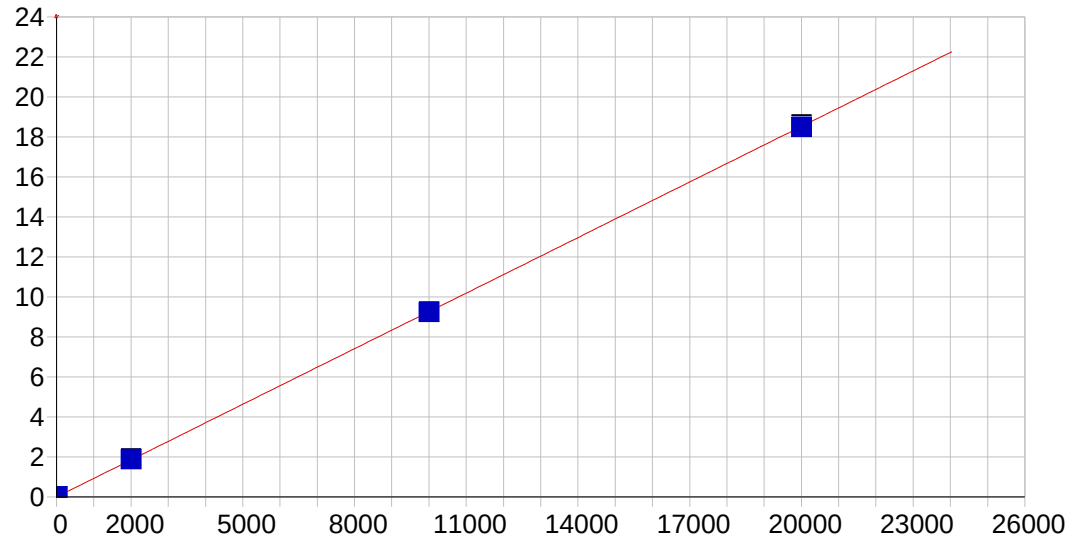


Sr 407.771 { 83}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001684	Re-Slope:	1.000000
A1 (Gain):	0.006993	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000405		
Predicted MDL:	0.094158		
Predicted MQL:	0.313861		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00094	-.001	.000	-.00169	.000	1
CAL2	20.000	20.810	.810	4.05	.14400	.000	1
CAL3	1000.0	1006.7	6.70	.670	7.0374	.021	1
CAL4	5000.0	5005.5	5.52	.110	34.998	.060	1
CAL5	10000.	9987.0	-13.0	-.130	69.829	.230	1

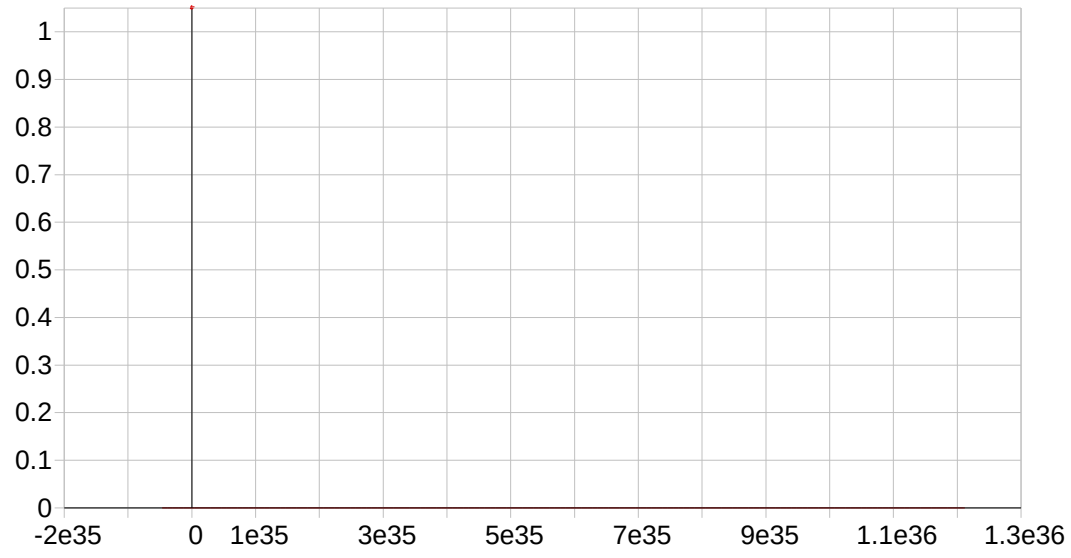


Ti 334.941 {101}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000881	Re-Slope:	1.000000
A1 (Gain):	0.000926	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999983	Status:	OK.
Std Error of Est:	0.000178		
Predicted MDL:	0.196563		
Predicted MQL:	0.655209		

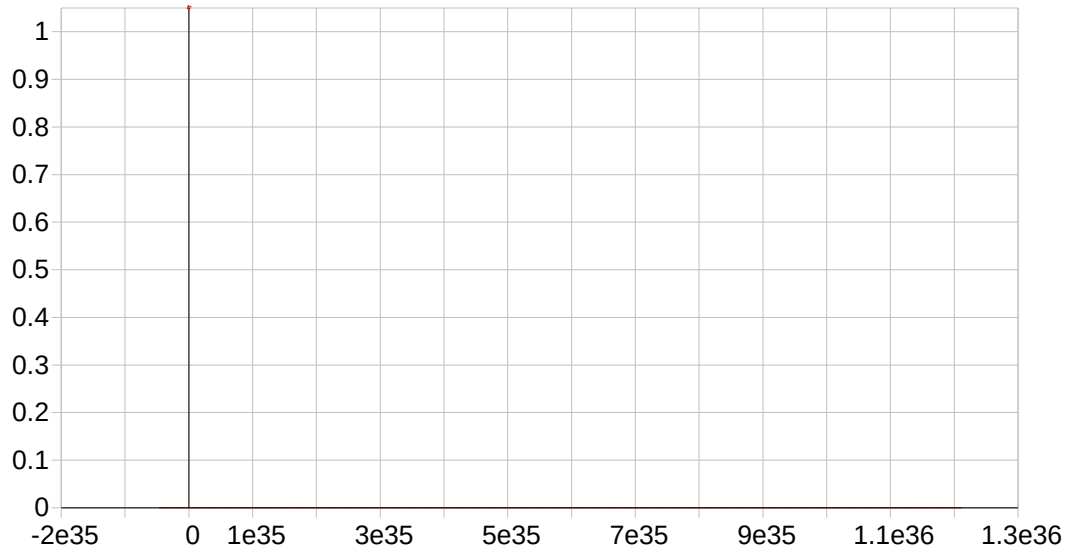
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00208	-.002	.000	.00088	.000	1
CAL2	20.000	21.721	1.72	8.60	.02100	.000	1
CAL3	2000.0	2042.2	42.2	2.11	1.8923	.009	1
CAL4	10000.	9977.0	-23.0	-.230	9.2414	.027	1
CAL5	20000.	19979.	-21.0	-.105	18.505	.085	1



Y 224.306 {450}*

Date of Fit:	4/20/2017 10:12:48	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	183.492520				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

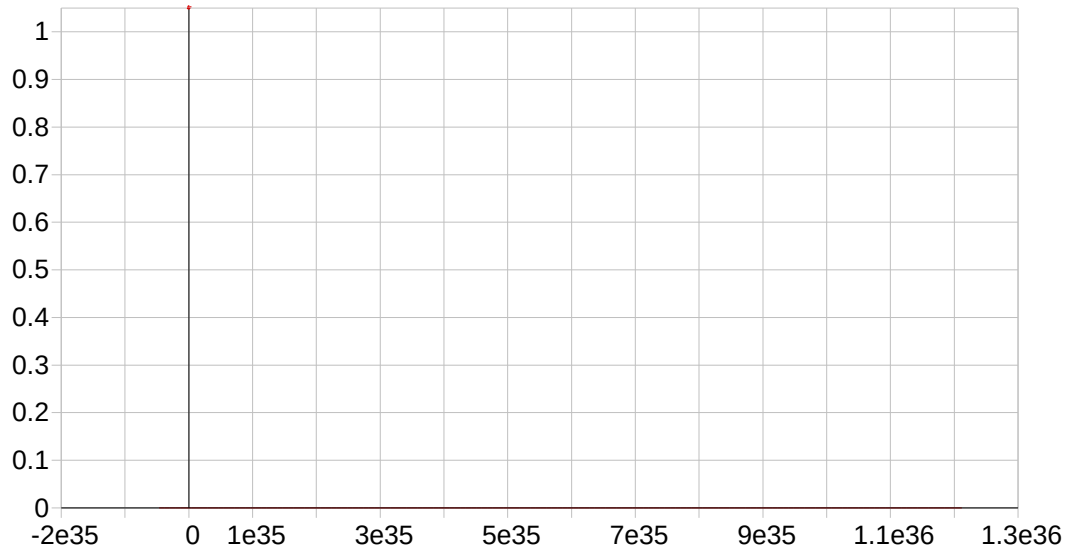
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 360.073 { 94}*

Date of Fit:	4/20/2017 10:12:48	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

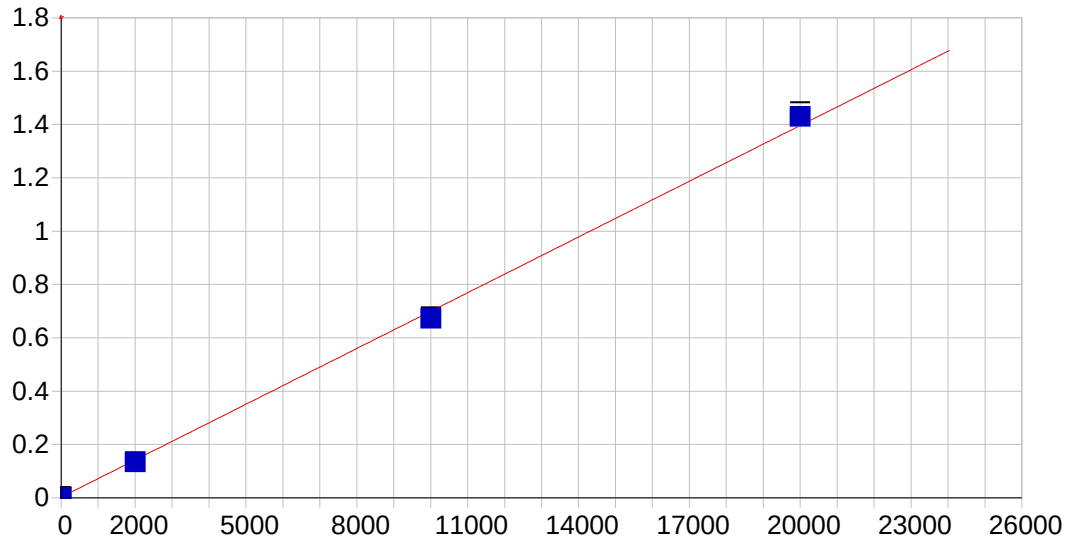


Y 371.030 { 91}*

Date of Fit:	4/20/2017 10:12:48	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	192.759705		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Si 288.158 {117}

Date of Fit:	4/20/2017 10:37:21	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002599	Re-Slope:	1.000000
A1 (Gain):	0.000070	Y-int:	0.000000

A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.999499		Status:	OK.		
Std Error of Est:		0.000787					
Predicted MDL:		12.045571					
Predicted MQL:		40.151904					
Std. Name	**Stated Conc.**	**Found Conc.**	**Difference**	**% Diff.**	**(S)IR**	**Std Dev**	**Emphasis**
ICIS Cal Blk	.00000	.13960	.140	.000	.00261	.000	1
CAL5	20000.	20485.	485.	2.42	1.4278	.017	1
CAL3	2000.0	1886.1	-114.	-5.70	.13380	.002	1
CAL4	10000.	9629.4	-371.	-3.71	.67249	.004	1

Sample Name: ICIS Cal Blk Acquired: 4/20/2017 10:13:42 Type: Cal
Method: xin_sw030317(v51) 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	**-.0002**	**-.0005**	**-.0001**	**-.0001**	**.0004**	**-.0011**
Stddev	.0003	.0001	.0001	.0003	.0002	.0000
%RSD	173.9	13.19	214.8	299.5	54.71	3.713
#1	-.0005	-.0005	-.0000	-.0005	.0002	-.0011
#2	-.0000	-.0005	-.0002	-.0001	.0006	-.0012
#3	.0000	-.0004	.0000	.0002	.0006	-.0011

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_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0025**	**-.0003**	**-.0000**	**.0033**	**.0001**	**-.0113**
Stddev	.0002	.0002	.0001	.0000	.0001	.0014
%RSD	9.177	54.73	185.5	1.235	39.96	12.27
#1	-.0028	-.0001	.0000	.0033	.0002	-.0115
#2	-.0025	-.0003	-.0001	.0033	.0001	-.0126
#3	-.0023	-.0005	-.0000	.0032	.0001	-.0098

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**	**.0003**	**.0009**	**-.0006**	**.0020**	**.0005**
Stddev	.0000	.0000	.0011	.0002	.0002	.0001
%RSD	1008.	13.09	123.5	32.64	10.06	22.61
#1	.0000	.0003	-.0002	-.0006	.0018	.0006
#2	.0000	.0002	.0021	-.0009	.0021	.0005
#3	-.0000	.0003	.0009	-.0005	.0020	.0004

Sample Name: ICIS Cal Blk Acquired: 4/20/2017 10:13:42 Type: Cal
Method: xin_sw030317(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.0005**	**-.0010**	**-.0001**	**-.0000**	**.0026**	**.0004**
Stddev	.0001	.0000	.0001	.0000	.0003	.0004
%RSD	14.99	.7482	90.26	532.0	11.88	111.2
#1	.0004	-.0010	-.0001	.0000	.0026	.0007
#2	.0006	-.0010	-.0000	-.0000	.0029	.0006
#3	.0006	-.0010	-.0000	-.0001	.0023	-.0001

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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0005**	**-.0017**	**.0009**	**.0026**
Stddev	.0001	.0001	.0001	.0005
%RSD	18.58	8.211	12.96	17.54
#1	.0006	-.0015	.0009	.0030
#2	.0004	-.0017	.0010	.0027
#3	.0004	-.0018	.0008	.0021

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	**2984.5**	**32014.**	**7590.7**
Stddev	3.2	85.	88.3
%RSD	.10693	.26397	1.1634
#1	2987.2	32061.	7684.9
#2	2985.3	32065.	7577.6
#3	2981.0	31917.	7509.7

Sample Name: CAL1 Acquired: 4/20/2017 10:17:43 Type: Cal
Method: xin_sw030317(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0000**	**.0033**	**.0022**	**.0009**	**.0000**
Stddev	.0001	.0002	.0001	.0002	.0002
%RSD	216.6	5.653	5.419	25.02	422.4
#1	-.0002	.0032	.0020	.0009	-.0001
#2	-.0001	.0035	.0022	.0011	.0001
#3	.0001	.0033	.0023	.0007	.0002

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	**2996.3**
Stddev	7.2
%RSD	.23929
#1	2988.1
#2	3001.3
#3	2999.4

Sample Name: CAL5 Acquired: 4/20/2017 10:33:07 Type: Cal
Method: xin_sw030317(v51) 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	**8.138**	**.4625**	**.6599**	**49.35**	**10.68**	**5.527**
Stddev	.005	.0010	.0041	.10	.03	.031
%RSD	.0614	.2088	.6234	.1971	.2723	.5677
#1	8.139	.4626	.6643	49.46	10.70	5.563
#2	8.133	.4615	.6594	49.27	10.64	5.503
#3	8.142	.4634	.6561	49.33	10.69	5.517

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_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8.548**	**5.883**	**1.880**	**10.05**	**1.625**	**5.668**
Stddev	.017	.010	.013	.03	.012	.008
%RSD	.1958	.1752	.6689	.2992	.7273	.1461
#1	8.560	5.891	1.894	10.02	1.638	5.676
#2	8.529	5.872	1.875	10.08	1.620	5.660
#3	8.555	5.887	1.870	10.05	1.617	5.667

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	**4.895**	**11.10**	**45.27**	**4.208**	**3.697**	**.3573**
Stddev	.041	.04	.61	.007	.007	.0019
%RSD	.8299	.3845	1.350	.1560	.1869	.5433
#1	4.939	11.15	45.77	4.215	3.704	.3595
#2	4.884	11.07	44.59	4.202	3.691	.3570
#3	4.860	11.08	45.45	4.208	3.698	.3556

Sample Name: CAL5 Acquired: 4/20/2017 10:33:07 Type: Cal
Method: xin_sw030317(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	.3986	.6192	1.219	4.731	1.122	4.930
Stddev	.0012	.0014	.003	.005	.005	.013
%RSD	.3115	.2202	.2407	.0980	.4569	.2552
#1	.3995	.6200	1.222	4.728	1.127	4.942
#2	.3972	.6176	1.216	4.728	1.117	4.917
#3	.3991	.6198	1.218	4.736	1.122	4.930

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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.4221	69.83	18.50	1.428
Stddev	.0007	.23	.08	.018
%RSD	.1615	.3295	.4576	1.224
#1	.4218	70.06	18.60	1.417
#2	.4216	69.60	18.48	1.448
#3	.4229	69.84	18.43	1.418

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	2649.2	28852.	7361.3
Stddev	1.5	153.	118.0
%RSD	.05492	.53084	1.6032
#1	2650.0	28676.	7307.2
#2	2650.2	28950.	7496.7
#3	2647.6	28932.	7280.1

Sample Name: CAL2 Acquired: 4/20/2017 10:21:44 Type: Cal
Method: xin_sw030317(v51) 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	**.0068**	**.0009**	**.0024**	**.5179**	**.0116**	**.1129**
Stddev	.0001	.0001	.0001	.0020	.0002	.0003
%RSD	1.892	13.38	2.733	.3940	1.417	.2696
#1	.0068	.0010	.0025	.5155	.0116	.1126
#2	.0066	.0007	.0025	.5188	.0117	.1132
#3	.0069	.0009	.0024	.5193	.0114	.1129

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_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0120**	**.0617**	**.0020**	**.0130**	**.0017**	**.2609**
Stddev	.0005	.0004	.0000	.0001	.0000	.0024
%RSD	3.797	.6507	.8495	.9021	2.664	.9324
#1	.0115	.0613	.0020	.0131	.0016	.2581
#2	.0120	.0621	.0020	.0129	.0016	.2623
#3	.0124	.0617	.0020	.0131	.0017	.2624

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	**.0971**	**.0183**	**.8834**	**.0356**	**.0050**	**.0037**
Stddev	.0004	.0001	.0024	.0001	.0004	.0001
%RSD	.3701	.4926	.2757	.2799	8.420	3.351
#1	.0967	.0183	.8806	.0356	.0046	.0036
#2	.0974	.0183	.8844	.0356	.0049	.0038
#3	.0971	.0185	.8852	.0354	.0054	.0038

Sample Name: CAL2 Acquired: 4/20/2017 10:21:44 Type: Cal
Method: xin_sw030317(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.0022**	**.0019**	**.0126**	**.0304**	**.0278**	**.0199**
Stddev	.0001	.0001	.0001	.0001	.0001	.0004
%RSD	2.555	4.779	.7480	.4840	.5117	2.103
#1	.0021	.0018	.0126	.0302	.0277	.0201
#2	.0022	.0019	.0127	.0304	.0279	.0194
#3	.0022	.0020	.0126	.0305	.0279	.0202

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	**.0111**	**.1440**	**.0210**
Stddev	.0001	.0001	.0002
%RSD	1.132	.0361	.7685
#1	.0110	.1439	.0211
#2	.0112	.1440	.0208
#3	.0112	.1440	.0211

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	**2987.7**	**31812.**	**7548.2**
Stddev	10.6	141.	56.3
%RSD	.35374	.44320	.74562
#1	2993.1	31775.	7603.3
#2	2975.5	31693.	7550.4
#3	2994.4	31968.	7490.8

Sample Name: ICSAB 4875598 Acquired: 4/20/2017 10:53:14 Type: QC
Method: xin_sw030317(v51) 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	**510000.**	**96.27**	**106.1**	**101.8**	**101.4**	**512100.**
Stddev	2150.	1.12	1.0	.3	.8	1762.
%RSD	.4215	1.162	.9399	.2819	.8334	.3440
#1	511700.	95.24	107.0	102.1	102.2	511200.
#2	510700.	97.46	105.0	101.6	101.4	511000.
#3	507600.	96.09	106.2	101.6	100.5	514200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**96.10**	**94.79**	**100.5**	**102.3**	**199100.**	**10280.**
Stddev	.26	.37	.8	.6	474.	70.
%RSD	.2737	.3920	.7532	.5445	.2382	.6765
#1	96.40	95.03	99.59	102.9	199600.	10370.
#2	95.90	94.36	100.8	102.1	198600.	10240.
#3	96.00	94.98	100.9	101.9	199000.	10250.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 4875598 Acquired: 4/20/2017 10:53:14 Type: QC
Method: xin_sw030317(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**511700.**	**104.3**	**10400.**	**95.34**	**95.95**	**93.42**
Stddev	3496.	.5	50.	.52	.88	2.57
%RSD	.6832	.4353	.4850	.5505	.9197	2.756
#1	513600.	104.8	10450.	95.71	96.20	95.91
#2	507600.	104.3	10390.	94.74	96.67	90.77
#3	513700.	103.9	10350.	95.57	94.96	93.58
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	**101.3**	**101.0**	**107.4**	**93.90**	**91.51**	**97.53**
Stddev	2.5	3.0	.2	1.20	.85	.46
%RSD	2.517	3.020	.1885	1.274	.9246	.4764
#1	98.44	99.31	107.6	93.22	91.85	97.14
#2	102.3	104.5	107.4	93.20	90.54	97.42
#3	103.2	99.15	107.2	95.28	92.13	98.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB 4875598 Acquired: 4/20/2017 10:53:14 Type: QC
Method: xin_sw030317(v51) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**107.5**	**104.7**	**108.4**	**63.95**
Stddev	1.3	.3	.3	11.58
%RSD	1.203	.2427	.3085	18.10
#1	106.0	104.8	108.5	50.80
#2	108.2	104.9	108.0	72.62
#3	108.2	104.4	108.6	68.42
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	**2669.3**	**27948.**	**7251.9**
Stddev	2.9	92.	78.1
%RSD	.11006	.32928	1.0776
#1	2667.0	27873.	7162.6
#2	2672.6	28051.	7285.0
#3	2668.3	27920.	7308.0

Sample Name: CAL3 Acquired: 4/20/2017 10:25:42 Type: Cal
Method: xin_sw030317(v51) 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	**.7878**	**.0433**	**.0617**	**5.032**	**1.077**	**.5411**
Stddev	.0035	.0003	.0003	.019	.011	.0022
%RSD	.4420	.7480	.4607	.3737	1.033	.4097
#1	.7841	.0430	.0617	5.034	1.070	.5421
#2	.7883	.0436	.0620	5.050	1.072	.5426
#3	.7910	.0431	.0614	5.012	1.090	.5386

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_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.8807**	**.6070**	**.1929**	**.9650**	**.1697**	**.5178**
Stddev	.0039	.0034	.0010	.0045	.0010	.0035
%RSD	.4393	.5669	.5240	.4703	.6136	.6811
#1	.8770	.6033	.1936	.9668	.1699	.5142
#2	.8847	.6102	.1934	.9684	.1706	.5180
#3	.8803	.6073	.1918	.9599	.1685	.5212

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	**.4714**	**1.153**	**4.347**	**.4399**	**.3870**	**.0341**
Stddev	.0022	.005	.017	.0025	.0018	.0004
%RSD	.4611	.4645	.3982	.5680	.4728	1.299
#1	.4727	1.154	4.333	.4381	.3864	.0338
#2	.4726	1.158	4.341	.4427	.3891	.0339
#3	.4689	1.148	4.367	.4387	.3856	.0346

Sample Name: CAL3 Acquired: 4/20/2017 10:25:42 Type: Cal
Method: xin_sw030317(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.0386**	**.0654**	**.1220**	**.4919**	**.1113**	**.4923**
Stddev	.0005	.0002	.0004	.0031	.0011	.0029
%RSD	1.297	.2944	.3348	.6386	1.033	.5863
#1	.0381	.0656	.1221	.4882	.1100	.4900
#2	.0386	.0652	.1224	.4933	.1122	.4955
#3	.0391	.0653	.1216	.4940	.1116	.4915

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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0434**	**7.037**	**1.892**	**.1338**
Stddev	.0002	.021	.009	.0019
%RSD	.4364	.2925	.4896	1.410
#1	.0432	7.014	1.897	.1347
#2	.0435	7.051	1.898	.1350
#3	.0435	7.048	1.882	.1316

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	**2947.0**	**31502.**	**7652.4**
Stddev	10.3	197.	50.6
%RSD	.34782	.62573	.66141
#1	2947.1	31322.	7668.5
#2	2936.6	31471.	7693.0
#3	2957.1	31712.	7595.7

Sample Name: CAL4 Acquired: 4/20/2017 10:29:24 Type: Cal
Method: xin_sw030317(v51) 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	**3.941**	**.2232**	**.3167**	**24.69**	**5.332**	**2.734**
Stddev	.020	.0006	.0013	.06	.017	.005
%RSD	.4984	.2852	.4092	.2391	.3271	.1857
#1	3.932	.2237	.3162	24.69	5.312	2.729
#2	3.928	.2225	.3158	24.64	5.345	2.739
#3	3.964	.2235	.3182	24.76	5.339	2.734

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_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.276**	**2.927**	**.9451**	**4.928**	**.8211**	**2.708**
Stddev	.010	.005	.0045	.015	.0034	.012
%RSD	.2301	.1722	.4745	.3134	.4200	.4384
#1	4.279	2.929	.9414	4.927	.8175	2.694
#2	4.265	2.921	.9437	4.913	.8213	2.713
#3	4.284	2.931	.9501	4.944	.8244	2.717

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	**2.414**	**5.641**	**22.17**	**2.108**	**1.852**	**.1715**
Stddev	.011	.011	.11	.005	.005	.0010
%RSD	.4335	.1883	.5016	.2399	.2610	.5806
#1	2.403	5.629	22.08	2.111	1.853	.1715
#2	2.414	5.645	22.13	2.102	1.847	.1705
#3	2.424	5.648	22.30	2.110	1.856	.1725

Sample Name: CAL4 Acquired: 4/20/2017 10:29:24 Type: Cal
Method: xin_sw030317(v51) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.1923**	**.3158**	**.6061**	**2.393**	**.5505**	**2.428**
Stddev	.0007	.0016	.0011	.003	.0015	.007
%RSD	.3581	.5020	.1770	.1320	.2729	.2771
#1	.1925	.3157	.6048	2.397	.5500	2.427
#2	.1915	.3143	.6066	2.390	.5493	2.422
#3	.1929	.3174	.6068	2.394	.5522	2.435

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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2105**	**35.00**	**9.241**	**.6725**
Stddev	.0005	.06	.027	.0044
%RSD	.2568	.1720	.2947	.6569
#1	.2107	35.01	9.213	.6735
#2	.2099	35.05	9.267	.6677
#3	.2109	34.93	9.244	.6763

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	**2793.3**	**29886.**	**7454.6**
Stddev	8.2	131.	22.1
%RSD	.29359	.43779	.29643
#1	2787.4	30035.	7448.8
#2	2802.7	29832.	7436.0
#3	2789.9	29791.	7479.0

Sample Name: ICV 4973764 Acquired: 4/20/2017 10:37:26 Type: QC
Method: xin_sw030317(v51) 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.**	**2436.**	**1217.**	**9959.**	**1001.**	**123600.**
Stddev	776.	6.	3.	25.	3.	124.
%RSD	.6294	.2507	.2592	.2486	.2911	.1000
#1	124000.	2430.	1214.	9964.	1001.	123700.
#2	122500.	2437.	1219.	9932.	997.4	123500.
#3	123600.	2442.	1219.	9981.	1003.	123500.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1241.**	**2485.**	**4977.**	**12430.**	**99660.**	**48920.**
Stddev	4.	5.	3.	48.	153.	163.
%RSD	.3546	.2009	.0527	.3831	.1531	.3337
#1	1241.	2486.	4979.	12380.	99570.	48870.
#2	1236.	2479.	4978.	12460.	99840.	48790.
#3	1245.	2489.	4974.	12460.	99580.	49100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4973764 Acquired: 4/20/2017 10:37:26 Type: QC
Method: xin_sw030317(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**123000.**	**5030.**	**123800.**	**2487.**	**7437.**	**974.5**
Stddev	27.	2.	301.	6.	26.	4.0
%RSD	.0219	.0482	.2436	.2508	.3433	.4100
#1	122900.	5029.	123900.	2487.	7437.	970.1
#2	123000.	5033.	123400.	2480.	7412.	975.4
#3	123000.	5029.	124000.	2492.	7463.	977.9
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	**2450.**	**2520.**	**2487.**	**2492.**	**992.8**	**2472.**
Stddev	5.	4.	7.	11.	4.1	5.
%RSD	.1965	.1650	.2726	.4256	.4149	.1928
#1	2445.	2517.	2480.	2498.	988.5	2471.
#2	2453.	2525.	2494.	2479.	993.1	2467.
#3	2452.	2518.	2488.	2498.	996.8	2477.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV 4973764 Acquired: 4/20/2017 10:37:26 Type: QC
Method: xin_sw030317(v51) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**993.2**	**5051.**	**10030.**	**9735.**
Stddev	4.3	40.	44.	88.
%RSD	.4326	.7823	.4380	.9006
#1	997.2	5082.	10080.	9801.
#2	988.7	5006.	10020.	9635.
#3	993.7	5063.	9998.	9768.
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	**2806.5**	**30220.**	**7530.1**
Stddev	8.6	24.	27.2
%RSD	.30568	.07959	.36093
#1	2799.3	30199.	7499.1
#2	2816.0	30246.	7541.5
#3	2804.3	30215.	7549.7

Sample Name: ICB Acquired: 4/20/2017 10:41:06 Type: QC
Method: xin_sw030317(v51) 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	**1.160**	**.4341**	**-.0453**	**.1776**	**.0977**	**-3.856**
Stddev	6.576	2.035	.2668	.0622	.0471	1.628
%RSD	566.8	468.8	588.4	35.02	48.18	42.23
#1	-4.310	2.622	.1860	.1385	.0682	-5.596
#2	-.6649	-1.402	.0152	.1449	.0728	-3.602
#3	8.456	.0827	-.3372	.2493	.1519	-2.369
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0485**	**-.0716**	**.6360**	**-.3338**	**6.215**	**22.07**
Stddev	.1044	.2004	.5240	.2057	2.454	18.93
%RSD	215.2	280.1	82.39	61.61	39.48	85.78
#1	.0439	.1091	1.239	-.0970	5.213	34.08
#2	-.0535	-.0366	.3787	-.4364	4.421	31.88
#3	.1551	-.2871	.2904	-.4679	9.011	.2466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 4/20/2017 10:41:06 Type: QC
Method: xin_sw030317(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-2.251**	**.0110**	**11.54**	**.2734**	**1.982**	**-.0237**
Stddev	3.504	.0591	11.36	.2851	.330	.2048
%RSD	155.7	536.5	98.46	104.3	16.66	864.0
#1	1.413	.0746	24.65	-.0556	2.353	-.1517
#2	-2.597	.0007	5.538	.4484	1.720	.2125
#3	-5.568	-.0422	4.439	.4274	1.873	-.1318
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	**1.730**	**.0450**	**.4944**	**.0032**	**1.593**	**1.038**
Stddev	1.975	.6215	.2999	.0594	.606	.726
%RSD	114.1	1382.	60.66	1836.	38.02	69.90
#1	3.961	-.1884	.8405	-.0241	2.291	1.770
#2	1.023	.7494	.3105	.0714	1.258	1.027
#3	.2065	-.4261	.3323	-.0376	1.228	.3185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 4/20/2017 10:41:06 Type: QC
Method: xin_sw030317(v51) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5096**	**.0380**	**.3299**	**11.20**
Stddev	.5004	.0674	.3588	6.11
%RSD	98.18	177.2	108.7	54.55
#1	.0621	.1149	.7251	18.19
#2	.4170	.0095	.2398	6.875
#3	1.050	-.0104	.0248	8.536
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	**2953.8**	**31662.**	**7482.5**
Stddev	4.8	115.	106.6
%RSD	.16395	.36238	1.4251
#1	2953.0	31770.	7507.5
#2	2959.0	31675.	7574.5
#3	2949.4	31542.	7365.6

Sample Name: ICVL 4982081 Acquired: 4/20/2017 10:45:07 Type: QC
Method: xin_sw030317(v51) 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	**227.2**	**14.98**	**9.465**	**211.7**	**2.114**	**5209.**
Stddev	6.0	1.23	.418	.4	.027	14.
%RSD	2.624	8.238	4.415	.2041	1.282	.2621
#1	233.5	16.39	9.948	211.9	2.145	5224.
#2	221.7	14.47	9.234	211.2	2.106	5208.
#3	226.4	14.08	9.215	212.0	2.093	5196.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.161**	**53.59**	**11.07**	**25.06**	**162.2**	**5002.**
Stddev	.067	.31	.58	.39	5.2	16.
%RSD	1.618	.5862	5.194	1.560	3.222	.3258
#1	4.127	53.23	11.14	25.51	158.1	5012.
#2	4.117	53.82	10.46	24.80	160.3	4984.
#3	4.238	53.72	11.61	24.88	168.1	5011.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL 4982081 Acquired: 4/20/2017 10:45:07 Type: QC
Method: xin_sw030317(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5111.**	**16.26**	**4990.**	**43.35**	**11.49**	**18.77**
Stddev	28.	.05	29.	.32	.74	.91
%RSD	.5507	.3215	.5739	.7472	6.412	4.823
#1	5099.	16.23	5019.	43.19	12.32	17.75
#2	5090.	16.24	4961.	43.13	11.26	19.47
#3	5143.	16.32	4991.	43.72	10.90	19.10
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	**21.09**	**22.57**	**52.41**	**32.38**	**50.83**	**20.57**
Stddev	.68	1.60	.31	.17	.15	.16
%RSD	3.213	7.091	.5859	.5239	.3010	.7631
#1	21.32	24.08	52.40	32.24	50.74	20.75
#2	20.32	22.74	52.11	32.33	50.75	20.52
#3	21.62	20.90	52.72	32.57	51.01	20.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICVL 4982081 Acquired: 4/20/2017 10:45:07 Type: QC
Method: xin_sw030317(v51) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**51.85**	**20.94**	**22.12**	F **3.202**
Stddev	.25	.10	.06	5.141
%RSD	.4829	.4989	.2934	160.5
#1	51.98	21.04	22.16	7.471
#2	52.02	20.94	22.05	-2.505
#3	51.57	20.83	22.15	4.640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2985.3**	**31684.**	**7623.5**
Stddev	8.1	63.	27.9
%RSD	.27049	.19909	.36533
#1	2976.0	31661.	7623.6
#2	2989.8	31635.	7595.6
#3	2990.2	31755.	7651.3

Sample Name: ICSA 4786934 Acquired: 4/20/2017 10:49:04 Type: QC
Method: xin_sw030317(v51) 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	**476900.**	**.3544**	**.2658**	**-.0741**	**.0490**	**487200.**
Stddev	1203.	2.057	.1178	.3048	.0622	3669.
%RSD	.2523	580.4	44.31	411.5	127.1	.7531
#1	476200.	-1.859	.1950	-.0022	.0150	484000.
#2	476300.	.7167	.2006	.1884	.1208	491200.
#3	478300.	2.206	.4017	-.4084	.0112	486400.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7449**	**-3.456**	**-1.366**	**-6.296**	**188700.**	**-52.81**
Stddev	.2157	.027	.601	.517	720.	26.06
%RSD	28.96	.7811	44.00	8.210	.3816	49.35
#1	-.6830	-3.481	-.8050	-5.805	188100.	-73.96
#2	-.9847	-3.460	-1.292	-6.248	189500.	-23.69
#3	-.5669	-3.427	-2.000	-6.836	188500.	-60.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 4786934 Acquired: 4/20/2017 10:49:04 Type: QC
Method: xin_sw030317(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**495600.**	**.3163**	**-41.84**	**-.7471**	**-.7671**	**-1.955**
Stddev	4069.	.0833	11.54	.0857	.4918	2.355
%RSD	.8210	26.33	27.58	11.47	64.11	120.5
#1	493100.	.4046	-55.04	-.7022	-.9009	-4.562
#2	500300.	.2392	-33.63	-.8459	-1.178	-1.318
#3	493400.	.3052	-36.86	-.6932	-.2222	.0168
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	**.2553**	**-2.140**	**5.794**	**-2.877**	**-7.693**	**-1.112**
Stddev	4.114	3.340	.479	.106	.243	.059
%RSD	1611.	156.1	8.277	3.667	3.162	5.297
#1	2.212	.5711	5.262	-2.968	-7.605	-1.179
#2	-4.472	-5.871	5.926	-2.901	-7.505	-1.072
#3	3.025	-1.120	6.193	-2.761	-7.968	-1.084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA 4786934 Acquired: 4/20/2017 10:49:04 Type: QC
Method: xin_sw030317(v51) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.256**	**3.091**	**2.180**	**5.874**
Stddev	.737	.088	.162	11.33
%RSD	10.16	2.835	7.414	193.0
#1	6.670	2.995	1.995	18.50
#2	7.014	3.113	2.250	-3.419
#3	8.083	3.166	2.294	2.540
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	**2690.8**	**27951.**	**7287.2**
Stddev	4.1	121.	83.2
%RSD	.15251	.43250	1.1424
#1	2695.5	28068.	7369.9
#2	2687.8	27827.	7288.2
#3	2689.1	27956.	7203.5

Sample Name: INT-10A 4786942 Acquired: 4/20/2017 10:57:14 Type: QC
Method: xin_sw030317(v51) 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	**2.377**	**1.646**	**-9.319**	**3.317**	**3.890**	**.7509**
Stddev	3.633	1.472	.205	.144	.088	5.037
%RSD	152.8	89.43	2.199	4.343	2.271	670.8
#1	-.8854	.7107	-9.449	3.293	3.982	6.557
#2	6.292	3.342	-9.425	3.186	3.806	-2.438
#3	1.724	.8843	-9.083	3.471	3.883	-1.867
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2925**	**10280.**	**.6355**	**-8.604**	**-177.0**	**13.52**
Stddev	.0232	13.	.3603	.153	17.3	24.52
%RSD	7.920	.1239	56.70	1.779	9.755	181.3
#1	-.3003	10290.	1.052	-8.720	-196.9	.1802
#2	-.2665	10290.	.4211	-8.430	-166.6	-1.431
#3	-.3108	10270.	.4340	-8.660	-167.4	41.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10A 4786942 Acquired: 4/20/2017 10:57:14 Type: QC
Method: xin_sw030317(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3.369**	**-.1059**	**.6517**	**2.194**	**.9029**	**12.44**
Stddev	5.894	.0766	7.749	.414	1.193	1.62
%RSD	174.9	72.32	1189.	18.87	132.1	13.02
#1	7.683	-.0898	8.784	2.214	-.2590	10.78
#2	5.771	-.0387	-6.647	2.597	2.124	12.51
#3	-3.347	-.1893	-.1813	1.770	.8436	14.02
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	**3.383**	**-4.967**	**4825.**	**-.1929**	**-3.932**	**-1.936**
Stddev	2.860	1.940	10.	.1102	.667	.233
%RSD	84.55	39.07	.2040	57.10	16.97	12.03
#1	4.328	-2.880	4817.	-.3200	-4.238	-1.704
#2	5.652	-5.305	4822.	-.1343	-3.167	-1.934
#3	.1700	-6.716	4836.	-.1245	-4.392	-2.170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10A 4786942 Acquired: 4/20/2017 10:57:14 Type: QC
Method: xin_sw030317(v51) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9860.**	**9633.**	**-.3339**	**8857.**
Stddev	7.	24.	.1277	44.
%RSD	.0738	.2484	38.23	.4978
#1	9856.	9611.	-.1937	8897.
#2	9869.	9630.	-.3645	8864.
#3	9856.	9659.	-.4434	8810.
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	**2975.5**	**31926.**	**7583.6**
Stddev	2.5	153.	29.3
%RSD	.08463	.47993	.38644
#1	2972.9	32002.	7587.7
#2	2975.6	32027.	7610.7
#3	2977.9	31750.	7552.5

Sample Name: INT-10B 4786949 Acquired: 4/20/2017 11:01:19 Type: QC
Method: xin_sw030317(v51) 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	**5.619**	**3.055**	**.8173**	**-.2312**	**.2966**	**-19.30**
Stddev	11.77	1.530	.7133	.0297	.0528	8.89
%RSD	209.5	50.08	87.26	12.85	17.81	46.07
#1	-1.461	1.290	.9231	-.2309	.2398	-15.39
#2	-.8900	3.865	.0571	-.2611	.3059	-13.03
#3	19.21	4.009	1.472	-.2017	.3441	-29.47
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9493**	**-.7696**	**9731.**	**9386.**	**-30.06**	**24.96**
Stddev	.0374	.2033	38.	34.	8.01	6.87
%RSD	3.937	26.41	.3863	.3607	26.64	27.53
#1	-.9160	-.5492	9755.	9358.	-21.08	26.99
#2	-.9897	-.9498	9688.	9377.	-32.64	30.59
#3	-.9423	-.8098	9751.	9424.	-36.47	17.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10B 4786949 Acquired: 4/20/2017 11:01:19 Type: QC
Method: xin_sw030317(v51) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**54.97**	**9720.**	**10.63**	**10300.**	**2.428**	**-13.71**
Stddev	2.39	9.	4.42	19.	.571	1.62
%RSD	4.343	.0912	41.52	.1861	23.53	11.84
#1	52.45	9726.	13.98	10270.	1.802	-14.71
#2	57.20	9724.	12.28	10310.	2.920	-11.84
#3	55.27	9710.	5.630	10310.	2.561	-14.58
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	**-4.905**	**1.210**	**2.241**	**-.4324**	**-10.92**	**4867.**
Stddev	.813	1.530	.241	.0551	1.56	12.
%RSD	16.58	126.4	10.74	12.74	14.32	.2506
#1	-5.819	1.559	2.472	-.3703	-12.59	4856.
#2	-4.260	-.4639	2.261	-.4755	-10.70	4880.
#3	-4.636	2.535	1.992	-.4513	-9.481	4866.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: INT-10B 4786949 Acquired: 4/20/2017 11:01:19 Type: QC
Method: xin_sw030317(v51) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3583**	**.2238**	**9552.**	**-14.11**
Stddev	.6683	.1427	78.	12.53
%RSD	186.5	63.75	.8142	88.81
#1	-.0586	.3819	9470.	-11.63
#2	.0043	.1851	9562.	-27.69
#3	1.129	.1045	9625.	-3.005
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	**2903.2**	**31960.**	**7637.0**
Stddev	14.5	209.	106.2
%RSD	.49962	.65334	1.3905
#1	2918.5	31736.	7524.0
#2	2901.3	32150.	7652.3
#3	2889.7	31994.	7734.7

Sample Name: CCV Acquired: 4/20/2017 11:09:44 Type: QC
Method: xin_sw030317(v52) 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	**125600.**	**2481.**	**1238.**	**10130.**	**1013.**	**126200.**
Stddev	145.	18.	3.	49.	3.	159.
%RSD	.1156	.7338	.2381	.4873	.3043	.1260
#1	125800.	2496.	1241.	10170.	1016.	126100.
#2	125600.	2486.	1238.	10130.	1010.	126400.
#3	125500.	2461.	1235.	10070.	1014.	126200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1262.**	**2520.**	**5080.**	**12580.**	**101900.**	**49510.**
Stddev	5.	9.	4.	39.	417.	72.
%RSD	.3644	.3541	.0879	.3111	.4096	.1462
#1	1267.	2528.	5083.	12540.	102300.	49590.
#2	1262.	2521.	5082.	12570.	101900.	49490.
#3	1257.	2510.	5075.	12620.	101500.	49450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 11:09:44 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**125400.**	**5122.**	**126000.**	**2531.**	**7582.**	**987.6**
Stddev	210.	10.	474.	12.	53.	3.0
%RSD	.1673	.1984	.3762	.4805	.6960	.3048
#1	125500.	5110.	126500.	2543.	7622.	991.0
#2	125600.	5127.	125800.	2530.	7601.	986.6
#3	125200.	5128.	125600.	2519.	7522.	985.3
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	**2483.**	**2551.**	**2530.**	**2535.**	**1004.**	**2510.**
Stddev	14.	6.	4.	5.	6.	8.
%RSD	.5540	.2276	.1473	.1995	.6174	.3114
#1	2496.	2557.	2527.	2539.	1009.	2517.
#2	2484.	2545.	2530.	2537.	1005.	2512.
#3	2468.	2551.	2534.	2529.	996.9	2502.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 11:09:44 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1008.**	**5122.**	**10190.**	**9815.**
Stddev	5.	10.	119.	42.
%RSD	.4950	.2007	1.162	.4311
#1	1012.	5110.	10330.	9838.
#2	1010.	5129.	10150.	9840.
#3	1003.	5127.	10100.	9766.
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	**2756.3**	**29562.**	**7335.4**
Stddev	14.3	103.	26.8
%RSD	.51936	.34707	.36595
#1	2742.2	29565.	7343.8
#2	2755.7	29458.	7357.1
#3	2770.9	29663.	7305.4

Sample Name: lcssrm 460-431668/2- Acquired: 4/20/2017 11:25:26 Type: Unk
Method: xin_sw030317(v52) 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	**39760.**	**266.9**	**256.9**	**545.7**	**328.9**	**31520.**
Stddev	179.	2.1	.5	1.8	1.1	123.
%RSD	.4505	.7837	.2065	.3211	.3479	.3891
#1	39560.	267.7	256.5	543.8	327.8	31560.
#2	39900.	264.5	256.7	546.2	330.1	31620.
#3	39830.	268.4	257.5	547.2	328.8	31380.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**387.4**	**304.3**	**325.5**	**273.1**	**72900.**	**11740.**
Stddev	.7	1.3	1.4	2.8	225.	17.
%RSD	.1742	.4299	.4241	1.032	.3090	.1483
#1	386.8	303.0	326.9	271.9	73130.	11720.
#2	387.3	304.4	325.5	271.1	72910.	11760.
#3	388.1	305.6	324.2	276.3	72680.	11750.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-431668/2- Acquired: 4/20/2017 11:25:26 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12950.**	**1370.**	**4421.**	**322.1**	**421.1**	**201.2**
Stddev	45.	2.	14.	1.1	1.4	1.3
%RSD	.3438	.1250	.3256	.3525	.3407	.6620
#1	12990.	1371.	4407.	321.5	422.4	200.1
#2	12960.	1372.	4419.	321.3	419.5	200.9
#3	12900.	1369.	4436.	323.4	421.3	202.7
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	**381.2**	**946.4**	**279.6**	**1007.**	**382.6**	**275.6**
Stddev	5.8	7.8	.1	4.	5.4	2.2
%RSD	1.533	.8213	.0305	.4186	1.409	.7940
#1	374.7	941.7	279.7	1010.	378.3	274.1
#2	382.7	942.3	279.6	1010.	380.8	274.6
#3	386.1	955.4	279.5	1003.	388.6	278.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-431668/2- Acquired: 4/20/2017 11:25:26 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**775.8**	**442.5**	**1704.**	**838.2**
Stddev	4.7	1.3	5.	6.7
%RSD	.6019	.2957	.3076	.8007
#1	771.8	441.1	1702.	843.8
#2	774.6	443.7	1700.	830.7
#3	781.0	442.6	1710.	840.0
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	**3039.9**	**32589.**	**7820.1**
Stddev	14.7	355.	60.6
%RSD	.48222	1.0902	.77537
#1	3027.8	32327.	7834.7
#2	3035.8	32445.	7753.5
#3	3056.2	32993.	7872.1

Sample Name: 460-131745-a-9-d@4 Acquired: 4/20/2017 11:32:54 Type: Unk
Method: xin_sw030317(v52) 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	**42370.**	**21.91**	**.3456**	**938.8**	**2.288**	F **280700.**
Stddev	93.	1.17	.2886	2.5	.028	710.
%RSD	.2191	5.345	83.51	.2657	1.207	.2530
#1	42290.	21.05	.2904	939.9	2.320	280600.
#2	42480.	23.25	.0886	935.9	2.269	281500.
#3	42350.	21.45	.6578	940.5	2.276	280100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.768**	**30.02**	**128.8**	**2680.**	**99750.**	**7160.**
Stddev	.152	.09	1.0	5.	25.	46.
%RSD	8.581	.3107	.7702	.1768	.0253	.6382
#1	1.891	30.01	127.7	2679.	99740.	7143.
#2	1.815	30.12	129.1	2685.	99730.	7212.
#3	1.599	29.93	129.6	2676.	99780.	7126.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-d@4 Acquired: 4/20/2017 11:32:54 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**39540.**	**1293.**	**3259.**	**142.7**	**1811.**	**-.1196**
Stddev	94.	2.	11.	.6	9.	.6507
%RSD	.2369	.1718	.3508	.4383	.4796	544.2
#1	39440.	1292.	3249.	142.3	1820.	-.8166
#2	39580.	1295.	3272.	142.4	1803.	.4718
#3	39610.	1291.	3257.	143.4	1811.	-.0139
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	**1.367**	**-2.214**	**114.2**	**1347.**	**81.44**	**5.258**
Stddev	2.124	2.497	.6	2.	.33	.171
%RSD	155.4	112.8	.5369	.1584	.4076	3.255
#1	2.590	.4586	114.0	1348.	81.63	5.346
#2	-1.086	-4.487	113.7	1345.	81.05	5.061
#3	2.596	-2.615	114.9	1348.	81.62	5.368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-d@4 Acquired: 4/20/2017 11:32:54 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**92.74**	**961.6**	**2053.**	**1473.**
Stddev	1.15	1.8	4.	36.
%RSD	1.242	.1857	.1846	2.445
#1	94.07	959.6	2052.	1514.
#2	92.10	963.1	2057.	1458.
#3	92.05	962.0	2050.	1447.
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	**2894.4**	**31200.**	**7814.5**
Stddev	9.4	36.	20.7
%RSD	.32320	.11463	.26485
#1	2883.6	31189.	7819.7
#2	2900.0	31171.	7791.6
#3	2899.7	31240.	7832.0

Sample Name: 460-131745-a-9-f ms Acquired: 4/20/2017 11:40:33 Type: Unk
Method: xin_sw030317(v52) 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	**47890.**	**946.3**	**23.45**	**1837.**	**26.29**	F **271500.**
Stddev	434.	2.4	.17	1.	.26	812.
%RSD	.9058	.2521	.7154	.0624	.9974	.2990
#1	47430.	947.1	23.48	1838.	26.01	270700.
#2	47950.	943.6	23.27	1836.	26.53	272400.
#3	48290.	948.2	23.60	1836.	26.32	271500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**25.26**	**266.3**	**187.0**	**270.1**	**77910.**	**17460.**
Stddev	.13	1.0	.5	1.1	220.	71.
%RSD	.4975	.3764	.2680	.3889	.2817	.4074
#1	25.41	265.4	186.4	269.0	77660.	17390.
#2	25.17	267.4	187.2	271.1	78080.	17530.
#3	25.21	266.2	187.4	270.3	77980.	17460.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-f ms Acquired: 4/20/2017 11:40:33 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**60390.**	**1457.**	**12780.**	**332.7**	**1835.**	**128.9**
Stddev	100.	4.	63.	.7	3.	.8
%RSD	.1653	.2990	.4936	.2243	.1729	.6365
#1	60330.	1453.	12710.	333.1	1835.	128.0
#2	60500.	1462.	12810.	333.0	1838.	129.1
#3	60330.	1457.	12820.	331.8	1832.	129.6
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	**920.8**	**955.4**	**343.0**	**1428.**	**324.7**	**234.3**
Stddev	3.3	3.1	1.0	2.	1.0	.8
%RSD	.3575	.3288	.2977	.1164	.2978	.3544
#1	917.8	953.0	342.0	1428.	323.6	233.3
#2	924.4	954.3	344.0	1429.	325.5	234.7
#3	920.2	958.9	342.9	1426.	325.1	234.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-f ms Acquired: 4/20/2017 11:40:33 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**258.7**	**1165.**	**2258.**	**3044.**
Stddev	1.0	4.	9.	51.
%RSD	.3876	.3637	.3848	1.676
#1	257.5	1162.	2248.	3102.
#2	259.4	1164.	2262.	3019.
#3	259.1	1170.	2264.	3009.
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	**2923.1**	**31285.**	**7900.2**
Stddev	3.6	52.	69.5
%RSD	.12390	.16586	.87994
#1	2919.2	31239.	7966.3
#2	2923.8	31275.	7827.7
#3	2926.3	31341.	7906.5

Sample Name: CCB Acquired: 4/20/2017 11:13:24 Type: QC
Method: xin_sw030317(v52) 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	**-1.176**	**.7465**	**-.1291**	**.0385**	**.0323**	**-1.696**
Stddev	9.240	.3517	.4818	.0371	.0562	2.313
%RSD	785.7	47.11	373.1	96.20	174.0	136.4
#1	7.255	.5412	-.4066	.0811	.0970	-4.342
#2	.2720	1.153	-.4080	.0209	-.0044	-.0614
#3	-11.05	.5457	.4272	.0136	.0043	-.6833
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0359**	**-.0248**	**.2346**	**-.4152**	**6.272**	**.9259**
Stddev	.0773	.3291	.2328	.1499	9.149	28.76
%RSD	215.2	1326.	99.24	36.10	145.9	3106.
#1	.0096	.3306	.2428	-.2490	8.214	-22.03
#2	.1229	-.3190	-.0022	-.4565	-3.692	33.19
#3	-.0248	-.0860	.4632	-.5402	14.29	-8.379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 11:13:24 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5.454**	**.0454**	**.6691**	**.1083**	**1.650**	**-.1205**
Stddev	3.388	.0702	3.566	.0440	1.169	.4810
%RSD	62.12	154.5	532.9	40.63	70.88	399.2
#1	8.882	.1050	3.677	.1544	2.665	.3938
#2	5.373	.0631	1.601	.1038	.3712	-.1961
#3	2.107	-.0319	-3.270	.0668	1.913	-.5593
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	**1.876**	**-.9928**	**.2081**	**.0732**	**.3881**	**.6016**
Stddev	.823	1.221	.4600	.1275	.3862	.4531
%RSD	43.84	123.0	221.1	174.1	99.50	75.31
#1	1.941	-.8563	.6017	.0962	.8334	1.125
#2	1.024	-2.276	-.2976	.1877	.1450	.3398
#3	2.665	.1541	.3201	-.0642	.1860	.3402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 11:13:24 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2807**	**.0230**	**.3457**	**11.86**
Stddev	.2904	.0617	.3481	5.12
%RSD	103.5	269.0	100.7	43.17
#1	-.4557	.0933	.7196	8.717
#2	-.4409	-.0021	.2867	17.76
#3	.0546	-.0223	.0309	9.091
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	**2966.2**	**31742.**	**7509.6**
Stddev	7.8	105.	62.3
%RSD	.26450	.32993	.82949
#1	2960.9	31776.	7441.9
#2	2975.2	31825.	7564.4
#3	2962.5	31624.	7522.4

Sample Name: 460-131680-a-21-b@4 Acquired: 4/20/2017 11:55:33 Type: Unk
Method: xin_sw030317(v52) 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	**16110.**	**7.341**	**-.1621**	**144.4**	**1.516**	**31500.**
Stddev	100.	2.074	.2238	.2	.051	119.
%RSD	.6185	28.26	138.1	.1130	3.384	.3788
#1	16060.	5.055	-.4169	144.3	1.505	31450.
#2	16230.	9.103	-.0722	144.6	1.571	31410.
#3	16040.	7.866	.0028	144.4	1.471	31640.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4131**	**14.95**	**38.29**	**37.87**	**39640.**	**3455.**
Stddev	.1229	.38	.34	.40	147.	27.
%RSD	29.76	2.556	.8771	1.055	.3711	.7707
#1	-.4101	14.60	38.16	37.44	39500.	3429.
#2	-.2917	15.36	38.04	38.22	39610.	3455.
#3	-.5375	14.90	38.67	37.97	39800.	3482.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-21-b@4 Acquired: 4/20/2017 11:55:33 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12230.**	**1063.**	**518.3**	**39.96**	**26.64**	**.0708**
Stddev	35.	4.	2.2	.16	1.51	.0669
%RSD	.2878	.3529	.4313	.3951	5.680	94.55
#1	12210.	1061.	520.2	39.86	28.23	.1105
#2	12220.	1060.	515.9	39.87	26.48	.1084
#3	12270.	1067.	518.8	40.14	25.21	-.0065
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	**2.436**	**-2.123**	**69.07**	**105.0**	**4.911**	**.2389**
Stddev	2.058	.323	.40	.6	.568	.1447
%RSD	84.47	15.22	.5784	.5315	11.56	60.55
#1	1.523	-1.853	68.80	104.4	4.979	.2099
#2	.9924	-2.035	68.88	105.3	5.441	.3959
#3	4.792	-2.481	69.53	105.4	4.312	.1110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-21-b@4 Acquired: 4/20/2017 11:55:33 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.635**	**53.77**	**884.8**	**826.9**
Stddev	.508	.33	2.0	13.0
%RSD	5.879	.6125	.2312	1.574
#1	8.492	53.46	882.7	823.0
#2	9.199	54.11	884.8	816.3
#3	8.214	53.72	886.8	841.5
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	**3058.1**	**32888.**	**8030.1**
Stddev	9.9	108.	59.1
%RSD	.32464	.32974	.73574
#1	3048.7	32804.	7997.5
#2	3057.1	33011.	7994.5
#3	3068.5	32850.	8098.3

Sample Name: CCVL Acquired: 4/20/2017 11:17:26 Type: QC
Method: xin_sw030317(v52) 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	**224.2**	**17.17**	**9.442**	**212.8**	**2.128**	**5244.**
Stddev	13.4	1.52	.359	1.1	.070	97.
%RSD	5.993	8.843	3.806	.5370	3.310	1.843
#1	234.6	16.75	9.856	213.8	2.054	5333.
#2	209.0	15.91	9.250	213.1	2.136	5257.
#3	229.1	18.86	9.219	211.5	2.194	5141.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.309**	**54.13**	**11.01**	**25.10**	**172.4**	**4994.**
Stddev	.046	.16	.17	.29	4.4	36.
%RSD	1.060	.2906	1.556	1.157	2.541	.7303
#1	4.263	54.16	11.13	25.12	168.8	4967.
#2	4.310	54.27	11.09	24.81	177.3	4979.
#3	4.354	53.96	10.82	25.39	171.1	5036.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 11:17:26 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5120.**	**16.44**	**5000.**	**43.77**	**11.16**	**19.51**
Stddev	51.	.04	19.	.48	1.34	1.02
%RSD	.9913	.2293	.3842	1.097	12.04	5.210
#1	5157.	16.46	5021.	44.32	11.08	20.45
#2	5141.	16.45	4993.	43.47	12.54	19.65
#3	5063.	16.39	4985.	43.51	9.858	18.43
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	**20.01**	**22.30**	**52.50**	**32.82**	**50.08**	**20.73**
Stddev	.42	2.36	.27	.15	.26	.21
%RSD	2.123	10.56	.5215	.4590	.5238	1.006
#1	19.65	24.83	52.26	32.99	49.82	20.71
#2	19.90	20.18	52.80	32.74	50.34	20.95
#3	20.48	21.87	52.45	32.72	50.07	20.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 11:17:26 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**51.73**	**20.97**	**22.17**	F **18.19**
Stddev	.58	.14	.10	9.61
%RSD	1.128	.6892	.4490	52.85
#1	51.06	20.99	22.29	11.03
#2	52.12	20.82	22.11	29.11
#3	52.01	21.11	22.12	14.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2960.6**	**31220.**	**7513.7**
Stddev	11.0	338.	126.3
%RSD	.37247	1.0840	1.6812
#1	2948.1	30886.	7368.4
#2	2964.5	31562.	7574.8
#3	2969.1	31213.	7597.8

Sample Name: 460-131680-a-23-b@4 Acquired: 4/20/2017 12:15:01 Type: Unk
Method: xin_sw030317(v52) 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	**40480.**	**23.17**	**.6277**	**364.9**	**1.723**	**8570.**
Stddev	234.	.08	.3211	1.5	.016	56.
%RSD	.5776	.3618	51.16	.4223	.9034	.6570
#1	40390.	23.09	.8354	365.3	1.729	8591.
#2	40740.	23.26	.7899	363.3	1.736	8613.
#3	40300.	23.16	.2579	366.3	1.706	8507.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.724**	**27.47**	**108.5**	**127.7**	F **203100.**	**11060.**
Stddev	.117	.17	1.3	.9	51.	35.
%RSD	3.154	.6267	1.196	.6908	.0250	.3202
#1	-3.760	27.57	107.6	127.0	203100.	11020.
#2	-3.820	27.27	107.8	127.3	203100.	11060.
#3	-3.593	27.56	110.0	128.7	203000.	11090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-131680-a-23-b@4 Acquired: 4/20/2017 12:15:01 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**21390.**	**1375.**	**2678.**	**92.50**	**112.7**	**-1.147**
Stddev	10.	2.	14.	.86	1.9	.946
%RSD	.0476	.1342	.5112	.9345	1.712	82.50
#1	21380.	1373.	2662.	91.67	110.5	-.5762
#2	21400.	1375.	2687.	92.44	113.5	-.6256
#3	21390.	1377.	2684.	93.40	114.1	-2.240
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	**6.738**	**-3.330**	**157.8**	**239.5**	**6.073**	**2.361**
Stddev	3.744	1.323	1.1	2.6	.565	.127
%RSD	55.58	39.74	.6831	1.096	9.300	5.360
#1	7.966	-1.809	157.3	236.8	5.466	2.465
#2	9.714	-3.966	157.1	239.8	6.583	2.220
#3	2.533	-4.215	159.0	242.0	6.169	2.398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-23-b@4 Acquired: 4/20/2017 12:15:01 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**14.91**	**94.52**	**3458.**	**822.9**
Stddev	1.01	.48	2.	19.8
%RSD	6.782	.5051	.0493	2.404
#1	13.85	94.11	3457.	806.0
#2	15.01	95.04	3457.	818.0
#3	15.87	94.40	3460.	844.6
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	**2989.5**	**32179.**	**7849.1**
Stddev	9.4	162.	14.9
%RSD	.31309	.50274	.18923
#1	2979.4	32045.	7834.5
#2	2991.1	32133.	7848.8
#3	2997.9	32359.	7864.2

Sample Name: 460-131680-a-25-b@4 Acquired: 4/20/2017 12:22:41 Type: Unk
Method: xin_sw030317(v52) 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	**18350.**	**5.060**	**-.1268**	**124.3**	**1.246**	**7076.**
Stddev	118.	1.680	.2687	.6	.014	38.
%RSD	.6444	33.21	211.9	.4871	1.142	.5302
#1	18210.	3.850	.0361	123.6	1.246	7056.
#2	18420.	6.979	-.4370	124.4	1.260	7053.
#3	18410.	4.351	.0205	124.8	1.231	7120.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7694**	**22.59**	**64.34**	**45.06**	**46010.**	**3039.**
Stddev	.0766	.11	.26	.28	194.	19.
%RSD	9.953	.4757	.3995	.6148	.4210	.6328
#1	-.8318	22.47	64.43	45.00	45860.	3045.
#2	-.6840	22.68	64.55	45.37	45940.	3018.
#3	-.7926	22.61	64.05	44.82	46230.	3055.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-25-b@4 Acquired: 4/20/2017 12:22:41 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**15640.**	**967.8**	**830.0**	**120.4**	**15.75**	**-1.058**
Stddev	59.	4.6	6.0	.9	1.47	.883
%RSD	.3755	.4714	.7246	.7392	9.344	83.41
#1	15630.	966.0	834.5	119.5	17.38	-1.234
#2	15580.	964.4	832.3	121.3	15.35	-1.840
#3	15700.	973.0	823.1	120.5	14.52	-.1009
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	**1.226**	**-1.422**	**66.28**	**124.5**	**5.925**	**1.249**
Stddev	1.068	.757	.64	.6	.456	.076
%RSD	87.13	53.24	.9642	.4984	7.688	6.090
#1	2.449	-1.663	66.37	123.8	5.449	1.328
#2	.4804	-2.029	65.60	124.9	5.969	1.176
#3	.7475	-.5736	66.87	124.8	6.357	1.245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-25-b@4 Acquired: 4/20/2017 12:22:41 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.442**	**26.68**	**960.0**	**910.6**
Stddev	.597	.23	4.2	27.8
%RSD	6.319	.8501	.4336	3.052
#1	9.990	26.51	956.1	880.8
#2	9.529	26.94	959.6	915.0
#3	8.807	26.59	964.3	935.9
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	**3010.6**	**32621.**	**7996.1**
Stddev	4.6	223.	22.9
%RSD	.15191	.68330	.28616
#1	3009.6	32402.	7983.4
#2	3006.6	32847.	8022.5
#3	3015.6	32613.	7982.3

Sample Name: 460-131680-a-27-b@4 Acquired: 4/20/2017 12:30:25 Type: Unk
Method: xin_sw030317(v52) 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	**17280.**	**8.863**	**-.6238**	**170.5**	**1.271**	**31630.**
Stddev	63.	1.824	.2532	.6	.057	65.
%RSD	.3653	20.58	40.58	.3226	4.486	.2055
#1	17200.	8.672	-.6942	169.9	1.217	31560.
#2	17310.	7.142	-.8343	170.4	1.266	31640.
#3	17310.	10.78	-.3429	171.0	1.331	31690.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6828**	**19.52**	**42.28**	**44.03**	**43230.**	**2994.**
Stddev	.0498	.19	.60	.27	49.	28.
%RSD	7.288	.9791	1.425	.6107	.1141	.9474
#1	-.6449	19.55	41.62	44.07	43170.	2963.
#2	-.6643	19.70	42.39	43.75	43260.	3000.
#3	-.7391	19.32	42.81	44.28	43250.	3019.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-27-b@4 Acquired: 4/20/2017 12:30:25 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**13260.**	**1231.**	**629.6**	**54.25**	**21.35**	**.5570**
Stddev	24.	2.	8.4	.74	.50	.3933
%RSD	.1802	.1972	1.327	1.358	2.338	70.62
#1	13240.	1230.	620.9	53.68	21.86	.3442
#2	13280.	1230.	637.5	53.99	20.87	.3160
#3	13250.	1234.	630.4	55.08	21.33	1.011
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	**2.230**	**-2.633**	**67.85**	**111.0**	**6.096**	**.6584**
Stddev	1.798	1.384	.73	.6	.515	.1318
%RSD	80.60	52.57	1.076	.5544	8.451	20.02
#1	3.823	-4.082	67.01	110.6	6.024	.5258
#2	2.586	-1.325	68.30	110.6	5.621	.6599
#3	.2812	-2.490	68.24	111.7	6.644	.7894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-27-b@4 Acquired: 4/20/2017 12:30:25 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.256**	**59.50**	**870.1**	**927.3**
Stddev	.692	.24	2.0	29.2
%RSD	7.474	.4020	.2243	3.148
#1	9.677	59.23	870.3	893.7
#2	8.457	59.68	868.0	946.9
#3	9.633	59.60	871.9	941.2
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	**3000.3**	**32550.**	**7993.4**
Stddev	2.7	101.	50.0
%RSD	.08875	.31035	.62555
#1	2998.9	32434.	7936.4
#2	3003.4	32617.	8013.6
#3	2998.7	32599.	8030.0

Sample Name: mb 460-431668/1-a@2 Acquired: 4/20/2017 11:21:23 Type: Unk
Method: xin_sw030317(v52) 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	**9.062**	**-.2355**	**-.0986**	**3.161**	**-.0163**	**271.1**
Stddev	14.06	.7036	.2740	.099	.0244	6.3
%RSD	155.1	298.7	277.9	3.119	149.5	2.308
#1	-4.020	-.9815	.2086	3.253	-.0361	263.9
#2	23.92	.4161	-.1866	3.173	-.0239	275.1
#3	7.281	-.1411	-.3178	3.057	.0110	274.3
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0071**	**-.2006**	**.0420**	**-.1111**	**2.346**	**-4.859**
Stddev	.0316	.2783	.6369	.1645	7.373	27.14
%RSD	444.0	138.7	1516.	148.0	314.4	558.5
#1	-.0130	.0886	.7739	-.2901	6.670	13.55
#2	-.0092	-.2238	-.3857	-.0768	6.535	7.901
#3	.0435	-.4665	-.2622	.0334	-6.168	-36.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-431668/1-a@2 Acquired: 4/20/2017 11:21:23 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**62.71**	**.8013**	**56.19**	**-.0248**	**.9764**	**-.5399**
Stddev	3.25	.0563	7.97	.1121	.6725	1.143
%RSD	5.188	7.029	14.19	452.2	68.87	211.7
#1	66.46	.8397	49.93	-.1470	.5700	-1.133
#2	60.99	.8275	65.16	.0734	.6065	.7779
#3	60.68	.7366	53.47	-.0007	1.753	-1.264
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	**1.374**	**-.2656**	**.6048**	**.4622**	**-.3679**	**-.5200**
Stddev	1.111	2.020	.1059	.1718	.2672	.1950
%RSD	80.85	760.7	17.52	37.17	72.61	37.50
#1	.0924	-1.914	.5077	.4854	-.1004	-.3182
#2	1.969	-.8708	.5889	.2800	-.3686	-.7075
#3	2.061	1.988	.7178	.6212	-.6347	-.5343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-431668/1-a@2 Acquired: 4/20/2017 11:21:23 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0972**	**.5705**	**-.1763**	**6.844**
Stddev	.1832	.0262	.2429	4.103
%RSD	188.4	4.596	137.8	59.95
#1	-.1120	.5486	.0792	10.31
#2	.2287	.5995	-.2038	2.313
#3	.1751	.5633	-.4042	7.908
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	**2974.4**	**31675.**	**7481.1**
Stddev	5.7	249.	135.0
%RSD	.19054	.78571	1.8044
#1	2981.0	31942.	7561.8
#2	2971.8	31449.	7556.1
#3	2970.6	31635.	7325.2

Sample Name: 460-131745-a-9-e du Acquired: 4/20/2017 11:29:06 Type: Unk
Method: xin_sw030317(v52) 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	**43570.**	**23.98**	**.6785**	**966.6**	**2.394**	F **291900.**
Stddev	235.	1.94	.5451	2.2	.074	933.
%RSD	.5383	8.101	80.34	.2273	3.106	.3196
#1	43630.	23.32	.4048	967.1	2.375	291300.
#2	43780.	26.17	.3245	968.5	2.476	293000.
#3	43320.	22.45	1.306	964.2	2.331	291400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.601**	**30.53**	**133.5**	**2762.**	**103400.**	**7382.**
Stddev	.243	.27	.8	6.	605.	17.
%RSD	15.20	.8887	.5976	.2264	.5855	.2352
#1	1.829	30.22	132.8	2755.	103100.	7368.
#2	1.345	30.72	133.4	2766.	104100.	7376.
#3	1.629	30.65	134.4	2765.	103000.	7401.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-e du Acquired: 4/20/2017 11:29:06 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**41040.**	**1339.**	**3342.**	**146.5**	**1859.**	**.2672**
Stddev	158.	5.	12.	.2	2.	2.089
%RSD	.3838	.3497	.3634	.1114	.1308	781.7
#1	40940.	1336.	3349.	146.4	1859.	1.701
#2	41220.	1344.	3349.	146.5	1862.	1.229
#3	40950.	1336.	3328.	146.7	1857.	-2.129
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	**-1.179**	**-1.983**	**117.7**	**1391.**	**82.57**	**5.531**
Stddev	1.435	.673	.4	8.	.49	.117
%RSD	121.7	33.96	.3469	.5996	.5950	2.115
#1	-2.078	-1.630	117.3	1396.	83.03	5.563
#2	.4752	-2.759	118.0	1396.	82.05	5.628
#3	-1.936	-1.559	117.9	1381.	82.63	5.401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-e du Acquired: 4/20/2017 11:29:06 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**94.08**	**986.0**	**2122.**	**1485.**
Stddev	.64	3.4	7.	27.
%RSD	.6850	.3428	.3250	1.827
#1	94.62	987.0	2118.	1513.
#2	94.25	988.8	2130.	1481.
#3	93.37	982.2	2119.	1460.
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	**2850.3**	**30495.**	**7602.1**
Stddev	15.4	105.	32.4
%RSD	.54078	.34513	.42627
#1	2841.2	30441.	7597.3
#2	2841.6	30428.	7572.4
#3	2868.1	30616.	7636.7

Sample Name: CCB Acquired: 4/20/2017 12:53:36 Type: QC
Method: xin_sw030317(v52) 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	**-.1152**	**.9047**	**.0604**	**.1887**	**.0027**	**-6.933**
Stddev	4.364	.6471	.1875	.0838	.0180	1.704
%RSD	3787.	71.53	310.2	44.39	653.7	24.57
#1	4.877	.8599	.0207	.2322	.0162	-5.137
#2	-3.205	.2812	-.1040	.0921	-.0176	-7.135
#3	-2.018	1.573	.2646	.2418	.0096	-8.526
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0119**	**-.1185**	**.4678**	**-.3689**	**-1.633**	**5.650**
Stddev	.0284	.1513	.3778	.4334	3.769	16.51
%RSD	238.3	127.6	80.77	117.5	230.8	292.3
#1	.0036	-.0626	.4432	.0754	-1.079	22.21
#2	-.0448	-.2898	.8572	-.7904	1.829	5.566
#3	.0054	-.0032	.1028	-.3917	-5.648	-10.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 12:53:36 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2.946**	**.0438**	**-3.964**	**-.0441**	**1.573**	**.4517**
Stddev	1.905	.0718	6.735	.1651	.583	2.000
%RSD	64.64	164.0	169.9	374.2	37.06	442.7
#1	5.040	.1132	2.813	.0763	1.320	.2721
#2	2.482	.0483	-10.66	-.2323	1.158	-1.452
#3	1.317	-.0302	-4.048	.0236	2.239	2.535
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	**1.788**	**-.4527**	**.3526**	**.1010**	**.2243**	**.5802**
Stddev	2.347	2.105	.4129	.0494	.3377	.5892
%RSD	131.3	464.9	117.1	48.89	150.5	101.5
#1	4.493	-1.871	.8200	.0893	.6115	1.229
#2	.5889	1.965	.0374	.1552	.0718	.4348
#3	.2831	-1.452	.2003	.0585	-.0102	.0774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 12:53:36 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7351**	**.0384**	**.3717**	**13.74**
Stddev	.2509	.1277	.3097	2.49
%RSD	34.14	332.6	83.33	18.10
#1	1.020	.1829	.6558	12.23
#2	.6377	-.0084	.4177	12.37
#3	.5475	-.0593	.0415	16.61
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	**2972.9**	**32084.**	**7774.0**
Stddev	4.2	75.	41.4
%RSD	.14151	.23484	.53222
#1	2977.2	32072.	7783.0
#2	2968.7	32015.	7810.1
#3	2972.7	32164.	7728.9

Sample Name: SD 460-131745-a-9-d Acquired: 4/20/2017 11:36:42 Type: Unk
Method: xin_sw030317(v52) 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	**8248.**	**4.125**	**-.2912**	**188.3**	**.4367**	**54220.**
Stddev	43.	.866	.1548	.6	.0638	380.
%RSD	.5195	21.00	53.15	.3053	14.61	.7013
#1	8293.	5.124	-.1277	187.7	.3714	54590.
#2	8243.	3.570	-.3105	188.4	.4989	53830.
#3	8208.	3.682	-.4354	188.8	.4397	54250.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1958**	**5.894**	**26.14**	**515.0**	**20630.**	**1399.**
Stddev	.0980	.393	.46	3.3	169.	21.
%RSD	50.05	6.658	1.756	.6314	.8199	1.480
#1	.1354	5.543	25.70	514.7	20620.	1407.
#2	.3089	6.318	26.11	511.9	20470.	1375.
#3	.1431	5.823	26.62	518.4	20810.	1413.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: SD 460-131745-a-9-d Acquired: 4/20/2017 11:36:42 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**8079.**	**257.8**	**631.3**	**28.93**	**366.1**	**.1024**
Stddev	79.	1.9	9.3	.46	1.7	1.133
%RSD	.9786	.7483	1.477	1.593	.4597	1106.
#1	8059.	259.8	620.7	28.48	364.6	-.4372
#2	8012.	255.9	638.4	29.40	366.0	1.404
#3	8166.	257.6	634.8	28.91	367.9	-.6595
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	**-.2924**	**-.8835**	**22.67**	**277.8**	**14.69**	**.7690**
Stddev	.4522	1.136	.40	2.3	.45	.0993
%RSD	154.7	128.6	1.760	.8288	3.079	12.91
#1	-.6591	-1.762	23.10	275.5	14.26	.7139
#2	.2129	-1.289	22.32	277.9	15.16	.8836
#3	-.4309	.3997	22.59	280.1	14.64	.7094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: SD 460-131745-a-9-d Acquired: 4/20/2017 11:36:42 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**18.84**	**185.6**	**405.2**	**281.9**
Stddev	.37	.9	2.2	5.3
%RSD	1.950	.4786	.5330	1.868
#1	18.45	186.5	407.2	287.7
#2	18.88	184.7	402.9	280.6
#3	19.18	185.6	405.6	277.5
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	**2996.8**	**32087.**	**7838.2**
Stddev	5.2	120.	59.8
%RSD	.17316	.37397	.76324
#1	3001.6	31965.	7775.8
#2	2997.6	32205.	7843.9
#3	2991.3	32092.	7895.1

Sample Name: 460-131728-e-6-b@4 Acquired: 4/20/2017 13:13:16 Type: Unk
Method: xin_sw030317(v52) 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	**47550.**	**10.41**	**-.9791**	**362.9**	**6.426**	**15250.**
Stddev	111.	3.81	.0729	.5	.043	64.
%RSD	.2336	36.61	7.447	.1441	.6761	.4220
#1	47480.	9.946	-1.045	362.9	6.475	15320.
#2	47500.	6.849	-.9914	362.3	6.391	15240.
#3	47680.	14.43	-.9008	363.4	6.414	15200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.220**	**54.19**	**118.5**	**29.38**	F **208800.**	**7857.**
Stddev	.236	.24	.4	.19	1302.	15.
%RSD	7.329	.4383	.2992	.6419	.6238	.1964
#1	-3.349	54.22	118.4	29.21	209800.	7851.
#2	-3.364	53.94	118.8	29.58	209200.	7845.
#3	-2.948	54.41	118.1	29.36	207300.	7874.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-131728-e-6-b@4 Acquired: 4/20/2017 13:13:16 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12380.**	**739.6**	**1479.**	**107.9**	**124.0**	**-.8081**
Stddev	56.	3.1	5.	.5	.1	1.560
%RSD	.4497	.4223	.3083	.5070	.0723	193.1
#1	12430.	741.5	1483.	107.2	124.0	.9211
#2	12390.	741.3	1474.	108.1	124.0	-1.235
#3	12320.	736.0	1480.	108.3	123.9	-2.110
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	**4.326**	**-6.824**	**85.84**	**310.1**	**16.27**	**3.059**
Stddev	1.758	1.638	.24	2.3	.45	.135
%RSD	40.65	24.00	.2837	.7481	2.791	4.409
#1	5.782	-7.305	85.59	307.5	15.74	3.170
#2	2.372	-8.167	86.08	310.8	16.56	2.909
#3	4.823	-4.999	85.85	312.0	16.49	3.099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-6-b@4 Acquired: 4/20/2017 13:13:16 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**15.29**	**75.78**	**2516.**	**839.3**
Stddev	.70	.29	12.	17.4
%RSD	4.582	.3797	.4914	2.069
#1	14.48	75.47	2529.	830.5
#2	15.71	75.84	2516.	828.0
#3	15.67	76.04	2504.	859.3
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	**3385.4**	**36512.**	**9038.2**
Stddev	3.9	153.	23.4
%RSD	.11653	.41799	.25885
#1	3381.3	36349.	9012.0
#2	3385.9	36534.	9045.6
#3	3389.1	36652.	9057.0

Sample Name: 460-131728-e-8-b@4 Acquired: 4/20/2017 13:20:53 Type: Unk
Method: xin_sw030317(v52) 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	**57410.**	**7.184**	**-.7823**	**298.2**	**5.641**	**6013.**
Stddev	400.	2.529	.1912	2.0	.108	71.
%RSD	.6963	35.21	24.44	.6734	1.913	1.188
#1	56950.	10.10	-.5767	295.9	5.539	5950.
#2	57590.	5.762	-.9548	298.8	5.632	5997.
#3	57690.	5.686	-.8154	299.8	5.754	6091.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.735**	**54.33**	**96.37**	**20.24**	**168200.**	**11710.**
Stddev	.288	.29	1.36	.28	1920.	118.
%RSD	10.52	.5375	1.416	1.394	1.142	1.008
#1	-2.798	54.00	95.37	19.96	166400.	11570.
#2	-2.421	54.55	95.81	20.25	167900.	11750.
#3	-2.986	54.44	97.92	20.52	170200.	11790.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-8-b@4 Acquired: 4/20/2017 13:20:53 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**7225.**	**595.3**	**1633.**	**99.97**	**140.2**	**.5759**
Stddev	107.	6.6	15.	.70	2.2	1.411
%RSD	1.484	1.114	.9368	.7032	1.587	245.1
#1	7132.	588.8	1616.	99.25	138.5	.7943
#2	7202.	595.0	1639.	100.7	142.7	-.9320
#3	7342.	602.0	1645.	100.0	139.3	1.865
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	**6.916**	**-5.310**	**70.27**	**401.4**	**26.43**	**7.770**
Stddev	1.879	.851	.80	3.8	.58	.385
%RSD	27.16	16.03	1.131	.9449	2.205	4.955
#1	9.058	-4.637	69.66	397.1	26.89	7.335
#2	5.548	-5.026	69.98	402.8	26.61	8.064
#3	6.142	-6.266	71.17	404.3	25.77	7.912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-8-b@4 Acquired: 4/20/2017 13:20:53 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**14.33**	**70.78**	**2110.**	**867.1**
Stddev	.43	.69	21.	18.1
%RSD	2.969	.9680	.9725	2.088
#1	14.82	69.98	2092.	852.8
#2	14.05	71.17	2107.	860.9
#3	14.13	71.17	2133.	887.4
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	**3096.6**	**33287.**	**8259.2**
Stddev	9.9	61.	13.4
%RSD	.31823	.18185	.16176
#1	3095.1	33230.	8269.3
#2	3087.6	33281.	8244.1
#3	3107.2	33350.	8264.3

Sample Name: PDS 460-131745-a-9-d Acquired: 4/20/2017 11:44:14 Type: Unk
Method: xin_sw030317(v52) 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	**44880.**	**1946.**	**47.65**	**2923.**	**51.84**	F **302000.**
Stddev	206.	7.	.19	10.	.40	2413.
%RSD	.4594	.3686	.4063	.3570	.7659	.7990
#1	44800.	1947.	47.87	2911.	52.22	299400.
#2	44720.	1952.	47.54	2928.	51.89	302300.
#3	45110.	1938.	47.54	2931.	51.43	304200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49.77**	**518.5**	**327.0**	**2931.**	**101500.**	**26590.**
Stddev	.11	.8	.8	17.	684.	58.
%RSD	.2242	.1555	.2452	.5939	.6738	.2191
#1	49.68	517.6	326.6	2911.	100800.	26650.
#2	49.90	519.2	326.4	2937.	101500.	26590.
#3	49.73	518.7	327.9	2944.	102100.	26540.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: PDS 460-131745-a-9-d Acquired: 4/20/2017 11:44:14 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**59230.**	**1793.**	**23210.**	**630.3**	**2285.**	**461.3**
Stddev	195.	9.	86.	2.0	18.	.1
%RSD	.3284	.5238	.3719	.3179	.7961	.0258
#1	59060.	1784.	23310.	628.1	2264.	461.3
#2	59180.	1794.	23170.	631.0	2291.	461.5
#3	59440.	1802.	23150.	631.9	2299.	461.2
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	**1925.**	**1950.**	**606.3**	**1828.**	**566.7**	**499.2**
Stddev	12.	16.	1.6	11.	4.4	2.7
%RSD	.6166	.8403	.2677	.5786	.7764	.5379
#1	1924.	1942.	604.4	1817.	562.5	497.3
#2	1938.	1969.	606.8	1830.	571.3	502.3
#3	1914.	1940.	607.6	1837.	566.5	498.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: PDS 460-131745-a-9-d Acquired: 4/20/2017 11:44:14 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**581.2**	**1468.**	**2591.**	**1526.**
Stddev	3.7	4.	18.	5.
%RSD	.6424	.2603	.7031	.3256
#1	578.0	1465.	2570.	1531.
#2	585.3	1467.	2602.	1522.
#3	580.2	1473.	2602.	1524.
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	**2847.5**	**30708.**	**7742.0**
Stddev	9.9	57.	47.1
%RSD	.34786	.18556	.60811
#1	2858.7	30657.	7742.2
#2	2843.9	30769.	7789.0
#3	2839.9	30696.	7694.8

Sample Name: 460-131680-a-19-b@4 Acquired: 4/20/2017 11:47:52 Type: Unk
Method: xin_sw030317(v52) 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	**20650.**	**7.424**	**-.5635**	**249.8**	**1.800**	**31670.**
Stddev	241.	.495	.2972	2.6	.056	321.
%RSD	1.166	6.669	52.73	1.052	3.117	1.012
#1	20400.	7.243	-.3053	246.8	1.861	31300.
#2	20670.	7.045	-.8883	251.0	1.786	31830.
#3	20880.	7.984	-.4968	251.6	1.752	31880.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6505**	**19.51**	**55.83**	**50.68**	**49420.**	**5331.**
Stddev	.0389	.16	1.09	.72	587.	47.
%RSD	5.984	.8364	1.954	1.424	1.188	.8782
#1	-.6081	19.40	54.64	49.86	48740.	5277.
#2	-.6846	19.44	56.77	50.98	49770.	5361.
#3	-.6588	19.70	56.09	51.21	49740.	5354.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-19-b@4 Acquired: 4/20/2017 11:47:52 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**14410.**	**1214.**	**583.4**	**55.27**	**20.33**	**.8430**
Stddev	171.	13.	2.3	.61	1.18	1.175
%RSD	1.189	1.042	.3949	1.103	5.824	139.4
#1	14210.	1200.	581.5	54.68	21.00	1.582
#2	14500.	1222.	586.0	55.90	18.96	-.5124
#3	14520.	1221.	582.7	55.24	21.02	1.459
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	**3.368**	**-2.914**	**69.43**	**110.6**	**8.567**	**2.552**
Stddev	5.059	1.434	.69	1.6	.232	.065
%RSD	150.2	49.21	.9871	1.410	2.713	2.560
#1	2.968	-1.777	68.79	108.8	8.597	2.623
#2	-1.480	-2.440	69.35	111.4	8.783	2.494
#3	8.614	-4.525	70.15	111.6	8.321	2.540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-19-b@4 Acquired: 4/20/2017 11:47:52 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.894**	**69.73**	**1225.**	**901.3**
Stddev	.586	.83	11.	12.8
%RSD	5.924	1.189	.8762	1.420
#1	9.561	68.79	1212.	900.4
#2	10.57	70.04	1230.	889.0
#3	9.550	70.35	1231.	914.5
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	**3078.2**	**33253.**	**8147.5**
Stddev	16.6	97.	90.6
%RSD	.54005	.29081	1.1118
#1	3096.7	33361.	8238.4
#2	3064.5	33176.	8147.0
#3	3073.4	33222.	8057.2

Sample Name: 460-131680-a-20-b@4 Acquired: 4/20/2017 11:51:43 Type: Unk
Method: xin_sw030317(v52) 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	**24330.**	**8.974**	**-.3706**	**248.5**	**2.114**	**90530.**
Stddev	88.	.755	.6731	1.4	.082	388.
%RSD	.3608	8.414	181.6	.5553	3.892	.4284
#1	24390.	9.630	.0313	247.6	2.203	90280.
#2	24230.	9.144	.0045	247.7	2.041	90340.
#3	24380.	8.149	-1.148	250.0	2.097	90980.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4942**	**23.35**	**83.72**	**60.36**	**58210.**	**6868.**
Stddev	.0482	.19	.99	.21	173.	15.
%RSD	9.751	.8279	1.181	.3436	.2968	.2200
#1	-.5491	23.12	82.81	60.39	58120.	6853.
#2	-.4590	23.45	83.57	60.13	58110.	6867.
#3	-.4744	23.47	84.77	60.54	58410.	6883.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-20-b@4 Acquired: 4/20/2017 11:51:43 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**26010.**	**1991.**	**728.6**	**83.55**	**24.10**	**.3544**
Stddev	70.	9.	5.0	.78	.81	.4229
%RSD	.2678	.4441	.6886	.9341	3.379	119.3
#1	25940.	1986.	732.3	83.09	23.32	-.0366
#2	25990.	1985.	730.5	83.11	24.03	.8032
#3	26080.	2001.	722.9	84.45	24.95	.2966
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	**2.164**	**-2.169**	**111.1**	**195.6**	**7.238**	**1.302**
Stddev	1.656	.941	.6	2.2	.419	.241
%RSD	76.49	43.39	.5802	1.124	5.784	18.53
#1	.7821	-1.639	110.8	193.7	6.792	1.045
#2	1.712	-3.255	110.6	195.1	7.297	1.524
#3	3.999	-1.612	111.8	198.0	7.623	1.336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-20-b@4 Acquired: 4/20/2017 11:51:43 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.544**	**225.3**	**1885.**	**793.5**
Stddev	.583	.6	7.	9.9
%RSD	6.113	.2541	.3817	1.244
#1	9.385	225.9	1884.	795.2
#2	9.056	224.8	1879.	802.3
#3	10.19	225.2	1893.	782.8
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	**3063.2**	**32957.**	**8141.2**
Stddev	9.9	31.	90.9
%RSD	.32204	.09431	1.1160
#1	3067.7	32922.	8051.7
#2	3070.0	32978.	8233.4
#3	3051.9	32972.	8138.5

Sample Name: sd 460-131745-a-9-d Acquired: 4/20/2017 13:51:39 Type: Unk
Method: xin_sw030317(v52) 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	**1641.**	**1.094**	**-.1854**	**38.43**	**.1221**	**10870.**
Stddev	10.	1.535	.4879	.21	.0438	5.
%RSD	.5908	140.4	263.2	.5511	35.86	.0438
#1	1632.	2.250	.2308	38.67	.0717	10870.
#2	1639.	1.679	-.7223	38.35	.1433	10880.
#3	1651.	-.6484	-.0646	38.27	.1512	10870.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0318**	**.9005**	**5.628**	**105.8**	**4227.**	**299.0**
Stddev	.0816	.2245	.276	.2	33.	32.6
%RSD	256.1	24.93	4.904	.1956	.7752	10.92
#1	.0148	.6472	5.616	105.6	4190.	323.5
#2	.1206	1.075	5.358	105.9	4237.	311.6
#3	-.0399	.9793	5.910	105.9	4253.	262.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-131745-a-9-d Acquired: 4/20/2017 13:51:39 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1641.**	**53.56**	**109.3**	**5.872**	**76.03**	**-.4512**
Stddev	15.	.15	3.5	.160	.83	.5273
%RSD	.8968	.2839	3.189	2.730	1.090	116.9
#1	1624.	53.38	111.9	5.768	76.99	-.0975
#2	1650.	53.63	105.4	6.057	75.63	-.1987
#3	1649.	53.66	110.7	5.792	75.48	-1.057
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	**-.0589**	**-.8627**	**4.880**	**56.26**	**2.393**	**-.1716**
Stddev	.2537	1.710	.253	.52	.492	.0727
%RSD	430.7	198.2	5.183	.9192	20.55	42.36
#1	-.1948	-.2503	5.164	56.17	2.794	-.0984
#2	-.2157	.4568	4.795	55.79	2.541	-.2437
#3	.2338	-2.795	4.680	56.81	1.844	-.1727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-131745-a-9-d Acquired: 4/20/2017 13:51:39 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.159**	**37.75**	**85.22**	**65.39**
Stddev	.070	.03	.55	16.24
%RSD	1.694	.0677	.6476	24.84
#1	4.099	37.72	84.75	50.62
#2	4.237	37.76	85.83	82.78
#3	4.143	37.76	85.08	62.76
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	**2980.1**	**32027.**	**7892.2**
Stddev	7.5	54.	31.9
%RSD	.25266	.16770	.40418
#1	2971.5	32083.	7889.3
#2	2985.4	32023.	7925.5
#3	2983.5	31976.	7861.9

Sample Name: CCV Acquired: 4/20/2017 13:59:28 Type: QC
Method: xin_sw030317(v52) 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	**124500.**	**2512.**	**1252.**	**10190.**	**993.8**	**124400.**
Stddev	1184.	6.	6.	19.	5.4	194.
%RSD	.9513	.2298	.4542	.1874	.5427	.1557
#1	125100.	2517.	1258.	10210.	998.7	124500.
#2	125300.	2512.	1252.	10190.	994.6	124500.
#3	123100.	2505.	1247.	10170.	988.0	124200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1257.**	**2508.**	**5054.**	**12650.**	**102000.**	**48750.**
Stddev	1.	4.	13.	22.	393.	275.
%RSD	.0883	.1490	.2516	.1741	.3847	.5650
#1	1258.	2509.	5066.	12650.	102500.	49040.
#2	1258.	2511.	5055.	12660.	102000.	48710.
#3	1256.	2504.	5040.	12620.	101700.	48500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 13:59:28 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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.**	**5056.**	**125500.**	**2545.**	**7631.**	**993.9**
Stddev	397.	9.	1053.	5.	15.	1.8
%RSD	.3175	.1853	.8394	.2093	.1907	.1845
#1	125300.	5062.	126400.	2550.	7643.	996.0
#2	124900.	5061.	125800.	2547.	7636.	993.2
#3	124500.	5046.	124300.	2539.	7615.	992.5
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	**2538.**	**2554.**	**2500.**	**2480.**	**1022.**	**2532.**
Stddev	3.	10.	6.	3.	2.	5.
%RSD	.1185	.3893	.2289	.1057	.1600	.1858
#1	2541.	2563.	2503.	2478.	1022.	2536.
#2	2537.	2555.	2504.	2483.	1023.	2534.
#3	2535.	2543.	2493.	2479.	1020.	2527.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 13:59:28 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1013.**	**5048.**	**10270.**	**9947.**
Stddev	3.	22.	44.	113.
%RSD	.3140	.4279	.4297	1.139
#1	1017.	5050.	10320.	9837.
#2	1011.	5069.	10250.	10060.
#3	1011.	5026.	10240.	9941.
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	**2759.3**	**29896.**	**7707.4**
Stddev	6.1	116.	97.2
%RSD	.22184	.38744	1.2614
#1	2758.7	29770.	7595.9
#2	2753.4	29921.	7752.0
#3	2765.6	29998.	7774.3

Sample Name: CCV Acquired: 4/20/2017 11:59:27 Type: QC
Method: xin_sw030317(v52) 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.**	**2477.**	**1233.**	**10060.**	**995.8**	**124300.**
Stddev	721.	11.	5.	22.	8.4	210.
%RSD	.5857	.4241	.4003	.2156	.8475	.1685
#1	122700.	2465.	1228.	10030.	989.7	124100.
#2	123800.	2482.	1233.	10080.	1005.	124300.
#3	122500.	2484.	1237.	10060.	992.3	124500.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1254.**	**2501.**	**5029.**	**12510.**	**101000.**	**48780.**
Stddev	3.	6.	12.	65.	111.	352.
%RSD	.2667	.2412	.2448	.5228	.1098	.7225
#1	1250.	2495.	5020.	12430.	100900.	48420.
#2	1256.	2507.	5024.	12550.	101000.	49120.
#3	1255.	2500.	5043.	12540.	101100.	48810.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 11:59:27 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**124600.**	**5058.**	**124200.**	**2512.**	**7528.**	**987.8**
Stddev	398.	9.	629.	5.	9.	3.9
%RSD	.3196	.1804	.5062	.1955	.1259	.3954
#1	124200.	5049.	123600.	2506.	7523.	983.9
#2	124700.	5059.	124800.	2515.	7539.	991.7
#3	124900.	5067.	124100.	2514.	7523.	987.8
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	**2498.**	**2551.**	**2505.**	**2515.**	**1001.**	**2503.**
Stddev	15.	14.	7.	7.	4.	6.
%RSD	.5820	.5660	.2920	.2598	.4018	.2314
#1	2482.	2535.	2496.	2508.	996.1	2497.
#2	2509.	2563.	2507.	2521.	1004.	2507.
#3	2504.	2556.	2510.	2515.	1002.	2506.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 11:59:27 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1003.**	**5023.**	**10160.**	**9824.**
Stddev	1.	20.	38.	40.
%RSD	.1318	.4049	.3781	.4088
#1	1002.	5008.	10200.	9786.
#2	1005.	5046.	10140.	9866.
#3	1003.	5014.	10130.	9821.
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	**2820.2**	**30262.**	**7712.7**
Stddev	3.5	46.	24.7
%RSD	.12298	.15309	.31996
#1	2823.9	30247.	7724.1
#2	2817.0	30314.	7684.4
#3	2819.8	30225.	7729.6

Sample Name: CCB Acquired: 4/20/2017 12:03:10 Type: QC
Method: xin_sw030317(v52) 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	**3.658**	**.6695**	**.1181**	**.0824**	**.0236**	**-2.341**
Stddev	10.56	1.498	.2875	.0417	.0348	4.892
%RSD	288.7	223.7	243.5	50.57	147.7	209.0
#1	-3.781	2.350	-.2139	.1164	.0108	2.597
#2	15.75	.1842	.2788	.0359	.0630	-2.434
#3	-.9893	-.5251	.2894	.0948	-.0031	-7.186
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0097**	**-.1708**	**.4960**	**-.1245**	**6.089**	**24.60**
Stddev	.0462	.2128	.7357	.5087	2.001	36.84
%RSD	474.7	124.6	148.3	408.7	32.86	149.7
#1	-.0419	-.3004	1.045	.4612	8.331	-15.15
#2	.0432	-.2868	-.3399	-.4563	5.450	57.58
#3	-.0305	.0748	.7827	-.3783	4.485	31.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 12:03:10 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3.597**	**.0640**	**1.404**	**.2531**	**1.476**	**-.3436**
Stddev	.658	.0836	5.545	.2394	1.117	.3313
%RSD	18.31	130.7	395.0	94.62	75.64	96.43
#1	4.355	.1184	5.593	.3572	1.833	-.0326
#2	3.168	.1058	3.504	-.0208	2.371	-.6921
#3	3.268	-.0323	-4.884	.4228	.2249	-.3061
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	**1.617**	**-.1670**	**.0959**	**.0392**	**.2210**	**.5138**
Stddev	1.862	3.284	.3429	.0885	.6666	.4515
%RSD	115.2	1966.	357.7	225.9	301.7	87.86
#1	3.763	3.491	.1774	.1413	.9820	1.034
#2	.4406	-1.130	-.2804	-.0164	-.0597	.2876
#3	.6464	-2.862	.3906	-.0073	-.2594	.2202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 12:03:10 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1040**	**.0049**	**.3953**	**9.038**
Stddev	.5842	.1583	.3262	8.162
%RSD	561.7	3258.	82.51	90.30
#1	-.0280	.1676	.7718	14.29
#2	.4385	-.0043	.2006	13.19
#3	-.7225	-.1487	.2134	-.3645
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	**2986.0**	**32087.**	**7704.0**
Stddev	9.9	122.	28.1
%RSD	.33101	.37959	.36429
#1	2997.3	31947.	7675.8
#2	2978.9	32142.	7732.0
#3	2981.9	32172.	7704.3

Sample Name: CCVL Acquired: 4/20/2017 12:07:11 Type: QC
Method: xin_sw030317(v52) 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	**227.2**	**17.74**	**9.784**	**211.0**	**2.028**	**5161.**
Stddev	10.2	.92	.083	.5	.009	8.
%RSD	4.507	5.209	.8467	.2601	.4482	.1611
#1	215.4	18.78	9.690	210.5	2.039	5157.
#2	233.3	17.43	9.812	211.0	2.021	5170.
#3	232.9	17.01	9.849	211.6	2.026	5155.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.179**	**53.42**	**10.93**	**24.44**	**162.3**	**4885.**
Stddev	.081	.39	.29	.33	12.5	29.
%RSD	1.933	.7323	2.683	1.345	7.684	.5859
#1	4.214	52.97	11.26	24.09	149.9	4868.
#2	4.237	53.63	10.85	24.74	174.9	4870.
#3	4.087	53.66	10.69	24.50	162.1	4918.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 12:07:11 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5025.**	**16.13**	**4924.**	**43.38**	**11.09**	**19.56**
Stddev	26.	.05	12.	.39	.94	.85
%RSD	.5145	.3176	.2496	.9033	8.453	4.342
#1	5001.	16.07	4935.	43.25	10.01	20.37
#2	5052.	16.15	4910.	43.08	11.57	19.64
#3	5022.	16.16	4926.	43.83	11.69	18.68
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	**21.08**	**23.16**	**51.06**	**31.83**	**50.27**	**20.30**
Stddev	1.05	1.23	.62	.09	.45	.05
%RSD	4.985	5.293	1.223	.2808	.8994	.2642
#1	20.71	21.75	50.63	31.91	49.74	20.24
#2	20.26	23.76	50.76	31.74	50.55	20.34
#3	22.26	23.98	51.78	31.84	50.50	20.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 12:07:11 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**51.62**	**20.74**	**22.11**	F **8.531**
Stddev	.87	.20	.09	8.146
%RSD	1.681	.9728	.4216	95.49
#1	51.29	20.65	22.00	16.92
#2	50.96	20.61	22.17	8.013
#3	52.60	20.98	22.15	.6561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2991.3**	**32104.**	**7814.5**
Stddev	5.4	43.	29.4
%RSD	.18095	.13269	.37627
#1	2994.6	32113.	7826.1
#2	2994.2	32057.	7836.4
#3	2985.1	32141.	7781.1

Sample Name: 460-131680-a-22-b@4 Acquired: 4/20/2017 12:11:10 Type: Unk
Method: xin_sw030317(v52) 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	**32700.**	**17.77**	**-.0448**	**694.6**	**2.057**	**175000.**
Stddev	140.	1.10	.3045	.6	.029	207.
%RSD	.4292	6.171	679.0	.0865	1.429	.1182
#1	32810.	18.32	-.1036	694.2	2.082	175300.
#2	32740.	18.48	.2848	695.3	2.025	174900.
#3	32540.	16.51	-.3157	694.4	2.063	174900.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4072**	**24.96**	**111.4**	**75.86**	**65440.**	**6668.**
Stddev	.1268	.37	.3	.37	164.	40.
%RSD	31.13	1.502	.3124	.4827	.2512	.6005
#1	-.4789	24.54	111.2	75.49	65620.	6633.
#2	-.4819	25.08	111.8	75.87	65380.	6658.
#3	-.2608	25.26	111.1	76.22	65310.	6712.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-22-b@4 Acquired: 4/20/2017 12:11:10 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**27820.**	**1554.**	**1344.**	**91.61**	**292.9**	**-1.816**
Stddev	64.	1.	9.	.68	1.6	.500
%RSD	.2303	.0839	.6842	.7394	.5618	27.54
#1	27890.	1555.	1334.	91.44	291.6	-1.509
#2	27770.	1553.	1347.	91.03	294.8	-2.393
#3	27800.	1554.	1352.	92.35	292.5	-1.546
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	**1.702**	**-2.547**	**81.57**	**502.5**	**16.14**	**15.77**
Stddev	2.134	1.032	.10	1.8	.56	.16
%RSD	125.4	40.50	.1178	.3592	3.472	.9987
#1	4.119	-1.357	81.65	500.5	15.95	15.91
#2	.9080	-3.187	81.61	503.7	15.70	15.60
#3	.0795	-3.098	81.46	503.5	16.77	15.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-22-b@4 Acquired: 4/20/2017 12:11:10 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**16.00**	**321.5**	**1813.**	**1851.**
Stddev	.91	.1	3.	18.
%RSD	5.664	.0319	.1776	.9701
#1	15.39	321.6	1817.	1870.
#2	17.04	321.5	1811.	1850.
#3	15.56	321.4	1812.	1834.
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	**2921.9**	**31518.**	**7889.6**
Stddev	12.1	199.	31.0
%RSD	.41491	.63144	.39344
#1	2910.0	31303.	7901.0
#2	2921.3	31558.	7854.4
#3	2934.3	31695.	7913.2

Sample Name: 460-131680-a-24-b@4 Acquired: 4/20/2017 12:18:50 Type: Unk
Method: xin_sw030317(v52) 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	**20270.**	**7.253**	**-1.066**	**243.0**	**1.232**	**65950.**
Stddev	181.	1.404	.408	.2	.012	298.
%RSD	.8902	19.35	38.22	.0943	.9540	.4519
#1	20240.	7.826	-.6966	242.8	1.224	65640.
#2	20110.	5.654	-1.503	243.0	1.246	66240.
#3	20470.	8.279	-.9987	243.3	1.227	65960.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5543**	**20.53**	**48.76**	**51.63**	**50170.**	**5735.**
Stddev	.0665	.26	.29	.38	195.	40.
%RSD	11.99	1.260	.5876	.7293	.3885	.7031
#1	-.4886	20.24	48.63	51.24	49980.	5765.
#2	-.6215	20.61	49.09	51.66	50370.	5689.
#3	-.5527	20.73	48.57	51.99	50160.	5751.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-24-b@4 Acquired: 4/20/2017 12:18:50 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**28780.**	**1126.**	**908.9**	**88.96**	**16.53**	**-1.466**
Stddev	98.	4.	3.4	.14	1.36	.153
%RSD	.3417	.3754	.3746	.1569	8.228	10.44
#1	28700.	1122.	911.5	88.86	16.54	-1.374
#2	28890.	1130.	905.0	88.90	17.89	-1.643
#3	28750.	1128.	910.1	89.12	15.17	-1.382
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	**2.301**	**-3.551**	**67.24**	**145.4**	**4.771**	**.7345**
Stddev	1.393	.335	.86	.6	.378	.1867
%RSD	60.54	9.421	1.281	.4244	7.923	25.42
#1	3.664	-3.184	66.41	144.7	4.352	.9376
#2	2.358	-3.633	67.18	146.0	5.087	.6957
#3	.8801	-3.838	68.13	145.5	4.874	.5702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-24-b@4 Acquired: 4/20/2017 12:18:50 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.501**	**79.54**	**1732.**	**1010.**
Stddev	.417	.41	10.	26.
%RSD	4.390	.5198	.6038	2.534
#1	9.778	79.47	1720.	1002.
#2	9.705	79.16	1739.	990.4
#3	9.021	79.98	1737.	1039.
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	**3014.1**	**32293.**	**7985.5**
Stddev	5.7	116.	19.4
%RSD	.18969	.35957	.24337
#1	3008.1	32280.	7972.9
#2	3019.5	32184.	8007.9
#3	3014.8	32415.	7975.7

Sample Name: 460-131680-a-26-b@4 Acquired: 4/20/2017 12:26:32 Type: Unk
Method: xin_sw030317(v52) 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	**18660.**	**6.130**	**-.0427**	**148.3**	**1.325**	**29560.**
Stddev	51.	1.274	.2853	.1	.087	97.
%RSD	.2720	20.77	668.2	.1009	6.548	.3276
#1	18700.	4.660	.1471	148.1	1.402	29450.
#2	18610.	6.892	.0955	148.4	1.231	29620.
#3	18690.	6.839	-.3707	148.3	1.341	29610.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7525**	**17.64**	**42.04**	**39.94**	**43770.**	**3555.**
Stddev	.0698	.22	.09	.31	149.	9.
%RSD	9.282	1.219	.2243	.7785	.3411	.2529
#1	-.7368	17.57	41.95	39.58	43660.	3545.
#2	-.6919	17.88	42.02	40.11	43700.	3559.
#3	-.8289	17.47	42.14	40.12	43940.	3562.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-26-b@4 Acquired: 4/20/2017 12:26:32 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**14100.**	**1216.**	**680.0**	**45.61**	**19.91**	**-1.136**
Stddev	26.	4.	9.5	.05	.93	.985
%RSD	.1873	.3057	1.391	.1142	4.695	86.64
#1	14070.	1212.	690.6	45.65	19.37	-.8734
#2	14100.	1218.	677.1	45.62	19.38	-.3100
#3	14130.	1219.	672.3	45.55	20.99	-2.226
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	**3.796**	**-2.150**	**56.72**	**84.24**	**5.714**	**3.411**
Stddev	2.336	.719	.31	.26	.462	.180
%RSD	61.54	33.43	.5515	.3115	8.087	5.288
#1	1.449	-1.994	56.50	83.94	5.201	3.498
#2	3.818	-2.933	56.58	84.39	6.098	3.203
#3	6.122	-1.522	57.08	84.40	5.844	3.530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-26-b@4 Acquired: 4/20/2017 12:26:32 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.25**	**56.68**	**851.9**	**1092.**
Stddev	.46	.20	2.5	16.
%RSD	4.451	.3476	.2987	1.446
#1	10.26	56.69	851.6	1110.
#2	9.790	56.88	849.5	1089.
#3	10.70	56.48	854.5	1078.
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	**2996.5**	**32495.**	**8018.0**
Stddev	8.2	99.	36.4
%RSD	.27369	.30377	.45439
#1	2988.0	32397.	7983.1
#2	2997.0	32493.	8015.2
#3	3004.4	32595.	8055.8

Sample Name: 460-131680-a-28-b@4 Acquired: 4/20/2017 12:34:18 Type: Unk
Method: xin_sw030317(v52) 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	**20950.**	**10.09**	**-.3711**	**177.7**	**1.676**	**39090.**
Stddev	139.	1.12	.3136	1.2	.058	241.
%RSD	.6640	11.09	84.50	.6983	3.444	.6167
#1	20800.	11.14	-.7251	176.4	1.689	38830.
#2	20970.	10.22	-.2602	177.9	1.613	39140.
#3	21080.	8.912	-.1281	178.8	1.727	39300.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6954**	**17.69**	**43.26**	**41.04**	**51210.**	**4646.**
Stddev	.1373	.39	.15	.05	294.	50.
%RSD	19.74	2.178	.3403	.1225	.5741	1.081
#1	-.7383	17.27	43.41	41.09	50870.	4607.
#2	-.5418	17.76	43.26	41.02	51340.	4627.
#3	-.8061	18.03	43.12	41.00	51410.	4703.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-28-b@4 Acquired: 4/20/2017 12:34:18 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**16050.**	**1400.**	**704.5**	**47.66**	**28.73**	**-.0620**
Stddev	92.	9.	3.0	.67	1.21	1.178
%RSD	.5735	.6406	.4224	1.398	4.197	1899.
#1	15950.	1390.	701.7	46.99	28.03	-.9875
#2	16100.	1401.	707.7	47.69	30.12	-.4624
#3	16110.	1408.	704.2	48.32	28.04	1.264
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	**3.180**	**-2.144**	**73.26**	**127.5**	**7.149**	**1.334**
Stddev	3.124	.841	1.42	1.7	.187	.218
%RSD	98.25	39.23	1.941	1.347	2.612	16.37
#1	3.825	-2.207	71.74	125.5	6.975	1.470
#2	-.2165	-2.953	74.55	128.2	7.346	1.082
#3	5.932	-1.274	73.48	128.7	7.127	1.449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-28-b@4 Acquired: 4/20/2017 12:34:18 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.73**	**80.62**	**1107.**	**876.4**
Stddev	.77	.36	5.	24.6
%RSD	7.185	.4485	.4572	2.811
#1	9.889	80.36	1101.	860.1
#2	10.92	80.47	1109.	864.4
#3	11.40	81.04	1110.	904.7
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	**3015.7**	**32535.**	**8078.7**
Stddev	2.6	110.	18.4
%RSD	.08752	.33793	.22757
#1	3013.0	32448.	8075.1
#2	3015.7	32499.	8062.3
#3	3018.3	32659.	8098.5

Sample Name: 460-131680-a-29-b@4 Acquired: 4/20/2017 12:38:10 Type: Unk
Method: xin_sw030317(v52) 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	**16320.**	**5.593**	**-.0548**	**128.5**	**1.170**	**35280.**
Stddev	115.	1.338	.1888	.2	.038	121.
%RSD	.7048	23.93	344.4	.1813	3.228	.3418
#1	16230.	6.113	.1631	128.3	1.176	35150.
#2	16280.	6.593	-.1691	128.8	1.129	35300.
#3	16450.	4.073	-.1585	128.5	1.204	35390.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5937**	**14.26**	**32.99**	**47.35**	**41570.**	**2467.**
Stddev	.0400	.10	.50	.28	102.	24.
%RSD	6.734	.7174	1.507	.5853	.2461	.9548
#1	-.6076	14.20	32.44	47.06	41470.	2448.
#2	-.5486	14.38	33.42	47.61	41670.	2460.
#3	-.6248	14.20	33.10	47.39	41570.	2494.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-29-b@4 Acquired: 4/20/2017 12:38:10 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12820.**	**1120.**	**502.9**	**35.63**	**17.37**	**.2469**
Stddev	32.	3.	2.2	.57	.84	.6089
%RSD	.2499	.2537	.4302	1.605	4.854	246.6
#1	12800.	1117.	501.5	35.06	18.32	-.2566
#2	12860.	1120.	501.9	35.62	17.07	.0737
#3	12810.	1122.	505.4	36.20	16.72	.9236
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	**1.318**	**-2.160**	**59.05**	**95.12**	**4.552**	**.9489**
Stddev	1.252	.497	.09	1.17	.343	.3101
%RSD	95.01	23.01	.1564	1.232	7.528	32.68
#1	.6032	-1.674	59.14	93.81	4.813	.6470
#2	.5868	-2.667	59.04	95.46	4.679	.9331
#3	2.763	-2.140	58.96	96.08	4.164	1.267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-29-b@4 Acquired: 4/20/2017 12:38:10 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.693**	**60.65**	**766.6**	**1101.**
Stddev	.601	.32	1.7	25.
%RSD	6.200	.5226	.2189	2.302
#1	9.898	60.47	767.8	1074.
#2	10.16	60.45	764.7	1124.
#3	9.016	61.01	767.3	1106.
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	**2993.3**	**32252.**	**8021.4**
Stddev	6.0	116.	61.1
%RSD	.20091	.35889	.76141
#1	2989.0	32118.	8015.5
#2	2990.7	32325.	8085.2
#3	3000.2	32312.	7963.5

Sample Name: 460-131728-e-1-b@4 Acquired: 4/20/2017 12:42:04 Type: Unk
Method: xin_sw030317(v52) 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	**28460.**	**15.65**	**-.4180**	**1072.**	**8.294**	**18770.**
Stddev	91.	1.36	.4564	5.	.072	142.
%RSD	.3195	8.684	109.2	.4639	.8700	.7566
#1	28390.	14.32	-.6594	1068.	8.317	18610.
#2	28440.	15.59	.1084	1072.	8.213	18810.
#3	28560.	17.04	-.7030	1078.	8.352	18890.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.739**	**60.92**	**85.67**	**94.26**	**124700.**	**8115.**
Stddev	.048	.70	.60	1.12	732.	83.
%RSD	2.733	1.143	.7000	1.185	.5866	1.021
#1	-1.755	60.11	84.98	92.98	123900.	8063.
#2	-1.777	61.32	85.98	94.80	125100.	8071.
#3	-1.686	61.32	86.05	95.00	125100.	8210.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-1-b@4 Acquired: 4/20/2017 12:42:04 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**14100.**	**7943.**	**1109.**	**160.9**	**79.46**	**.1861**
Stddev	81.	40.	8.	1.0	.99	.9251
%RSD	.5757	.5070	.7367	.6212	1.241	497.1
#1	14000.	7897.	1102.	159.7	78.33	.9158
#2	14150.	7971.	1106.	161.6	79.91	.4969
#3	14140.	7962.	1118.	161.4	80.15	-.8544
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	**3.977**	**-4.660**	**70.64**	**303.6**	**14.94**	**5.648**
Stddev	.773	.329	1.14	2.5	.62	.205
%RSD	19.45	7.053	1.619	.8305	4.131	3.631
#1	3.150	-4.548	69.39	301.3	14.85	5.616
#2	4.099	-5.030	71.63	303.1	15.59	5.867
#3	4.682	-4.402	70.89	306.3	14.37	5.460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-1-b@4 Acquired: 4/20/2017 12:42:04 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**12.06**	**109.0**	**1631.**	**918.4**
Stddev	.26	.4	10.	23.8
%RSD	2.185	.3785	.6400	2.585
#1	12.20	108.5	1619.	903.2
#2	12.23	109.0	1636.	906.3
#3	11.76	109.3	1638.	945.8
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	**3469.2**	**37233.**	**9187.9**
Stddev	9.3	190.	81.7
%RSD	.26872	.50900	.88886
#1	3461.1	37036.	9143.1
#2	3467.0	37250.	9138.4
#3	3479.4	37414.	9282.2

Sample Name: 460-131728-e-2-b@4 Acquired: 4/20/2017 12:46:01 Type: Unk
Method: xin_sw030317(v52) 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	**41050.**	**12.84**	**-.6425**	**627.5**	**11.53**	**10750.**
Stddev	211.	.60	.3716	2.0	.05	35.
%RSD	.5131	4.647	57.83	.3212	.4124	.3230
#1	40830.	12.21	-1.015	625.2	11.50	10710.
#2	41090.	13.40	-.6404	628.1	11.58	10750.
#3	41240.	12.92	-.2721	629.1	11.51	10780.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.503**	**73.00**	**102.5**	**18.44**	**166100.**	**14650.**
Stddev	.085	.92	.8	.54	698.	100.
%RSD	3.392	1.255	.8234	2.952	.4204	.6793
#1	-2.600	71.94	101.6	18.63	165300.	14540.
#2	-2.442	73.43	103.0	17.83	166200.	14690.
#3	-2.467	73.62	103.0	18.87	166700.	14720.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-2-b@4 Acquired: 4/20/2017 12:46:01 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**10890.**	**2997.**	**1755.**	**121.5**	**126.7**	**-.3854**
Stddev	46.	14.	13.	.4	1.2	1.183
%RSD	.4198	.4751	.7294	.3581	.9736	306.8
#1	10850.	2982.	1740.	121.0	125.5	-.8165
#2	10870.	2998.	1761.	121.9	128.0	-1.292
#3	10940.	3011.	1764.	121.5	126.5	.9522
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	**4.542**	**-4.073**	**60.88**	**273.5**	**15.86**	**1.420**
Stddev	3.587	1.177	.63	2.9	.38	.060
%RSD	78.97	28.91	1.032	1.060	2.367	4.242
#1	.6981	-4.739	60.16	270.6	15.44	1.373
#2	7.799	-4.766	61.13	273.6	16.18	1.488
#3	5.128	-2.713	61.34	276.4	15.95	1.400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-2-b@4 Acquired: 4/20/2017 12:46:01 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**14.33**	**77.36**	**1866.**	**824.0**
Stddev	1.17	.55	6.	8.5
%RSD	8.162	.7112	.3230	1.026
#1	12.98	76.73	1860.	814.8
#2	14.93	77.69	1866.	825.9
#3	15.08	77.67	1872.	831.3
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	**3239.0**	**34927.**	**8640.2**
Stddev	4.4	110.	46.5
%RSD	.13496	.31378	.53779
#1	3236.6	34876.	8651.9
#2	3236.3	34851.	8589.0
#3	3244.0	35052.	8679.7

Sample Name: CCV Acquired: 4/20/2017 12:49:53 Type: QC
Method: xin_sw030317(v52) 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	**124700.**	**2504.**	**1247.**	**10160.**	**995.5**	**124500.**
Stddev	221.	8.	5.	15.	4.1	464.
%RSD	.1773	.3064	.4031	.1436	.4084	.3726
#1	124600.	2497.	1246.	10140.	995.2	124000.
#2	124500.	2504.	1253.	10170.	999.7	125000.
#3	124900.	2512.	1243.	10170.	991.6	124400.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1257.**	**2503.**	**5056.**	**12600.**	**102100.**	**48840.**
Stddev	.	1.	15.	21.	308.	70.
%RSD	.0196	.0472	.3006	.1662	.3020	.1428
#1	1258.	2503.	5047.	12580.	101900.	48790.
#2	1258.	2501.	5073.	12620.	102500.	48910.
#3	1257.	2503.	5048.	12600.	101900.	48800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 12:49:53 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**125200.**	**5054.**	**125400.**	**2537.**	**7622.**	**992.2**
Stddev	369.	11.	150.	2.	10.	3.1
%RSD	.2947	.2208	.1192	.0730	.1278	.3128
#1	125100.	5046.	125300.	2535.	7612.	995.0
#2	125600.	5067.	125400.	2537.	7624.	988.9
#3	124900.	5049.	125600.	2539.	7631.	992.8
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	**2526.**	**2541.**	**2501.**	**2486.**	**1017.**	**2521.**
Stddev	9.	4.	7.	2.	2.	3.
%RSD	.3624	.1609	.2735	.1001	.1495	.1217
#1	2536.	2538.	2501.	2488.	1017.	2518.
#2	2520.	2540.	2507.	2484.	1019.	2523.
#3	2520.	2546.	2494.	2488.	1016.	2523.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 12:49:53 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1009.**	**5033.**	**10220.**	**9909.**
Stddev	3.	13.	72.	25.
%RSD	.3326	.2524	.6997	.2491
#1	1007.	5020.	10160.	9908.
#2	1007.	5045.	10300.	9886.
#3	1013.	5035.	10220.	9935.
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	**2787.0**	**30097.**	**7735.2**
Stddev	9.5	167.	37.3
%RSD	.34051	.55468	.48222
#1	2796.1	30268.	7773.5
#2	2787.7	29935.	7699.0
#3	2777.1	30087.	7733.0

Sample Name: CCVL Acquired: 4/20/2017 12:57:38 Type: QC
Method: xin_sw030317(v52) 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	**236.4**	**15.60**	**9.495**	**214.2**	**2.136**	**5229.**
Stddev	14.2	.89	.200	.1	.017	17.
%RSD	5.998	5.681	2.104	.0317	.7940	.3169
#1	245.9	16.21	9.377	214.2	2.143	5214.
#2	243.2	16.00	9.726	214.1	2.117	5226.
#3	220.1	14.58	9.383	214.2	2.149	5247.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.248**	**54.27**	**10.71**	**24.92**	**167.9**	**4969.**
Stddev	.063	.31	.18	.36	4.5	31.
%RSD	1.490	.5781	1.686	1.457	2.703	.6160
#1	4.308	53.91	10.52	24.73	171.3	4936.
#2	4.182	54.39	10.87	25.33	162.8	4996.
#3	4.254	54.50	10.75	24.69	169.8	4975.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 12:57:38 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5141.**	**16.31**	**5030.**	**43.96**	**12.01**	**20.82**
Stddev	27.	.07	10.	.38	1.59	1.12
%RSD	.5178	.4029	.2028	.8668	13.25	5.393
#1	5111.	16.38	5038.	43.61	10.86	19.63
#2	5149.	16.30	5019.	43.91	11.35	21.00
#3	5162.	16.25	5034.	44.37	13.83	21.85
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	**20.93**	**22.58**	**52.61**	**32.24**	**50.87**	**20.72**
Stddev	2.36	1.93	.40	.46	.46	.20
%RSD	11.28	8.561	.7630	1.417	.8969	.9507
#1	18.44	23.31	52.16	31.76	50.63	20.51
#2	21.21	24.04	52.76	32.31	51.40	20.90
#3	23.14	20.39	52.92	32.66	50.58	20.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 12:57:38 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**52.59**	**21.12**	**22.47**	F **12.96**
Stddev	.41	.19	.18	6.99
%RSD	.7872	.8763	.7909	53.97
#1	53.04	20.95	22.27	11.21
#2	52.48	21.09	22.52	7.007
#3	52.23	21.31	22.62	20.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2972.8**	**31853.**	**7852.2**
Stddev	1.9	53.	36.7
%RSD	.06476	.16592	.46748
#1	2972.2	31821.	7810.1
#2	2975.0	31914.	7877.2
#3	2971.3	31824.	7869.4

Sample Name: 460-131728-e-3-b@4 Acquired: 4/20/2017 13:01:36 Type: Unk
Method: xin_sw030317(v52) 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	**36080.**	**19.76**	**-.0591**	**1480.**	**7.073**	**46190.**
Stddev	148.	.37	.2389	4.	.039	205.
%RSD	.4114	1.849	404.2	.2432	.5578	.4445
#1	36100.	19.50	-.3312	1476.	7.043	45970.
#2	35920.	20.17	.1162	1479.	7.058	46220.
#3	36210.	19.60	.0377	1483.	7.118	46380.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.645**	**196.0**	**94.37**	**31.06**	**197300.**	**8965.**
Stddev	.203	.8	.63	.25	563.	48.
%RSD	7.656	.3988	.6721	.8201	.2854	.5325
#1	-2.549	195.2	94.08	30.85	196900.	8987.
#2	-2.509	196.8	93.92	31.34	197200.	8910.
#3	-2.878	195.9	95.09	30.98	198000.	8998.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-3-b@4 Acquired: 4/20/2017 13:01:36 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**16340.**	**9995.**	**1028.**	**276.2**	**141.3**	**-1.700**
Stddev	73.	54.	2.	1.5	.2	.821
%RSD	.4490	.5419	.2281	.5359	.1725	48.27
#1	16340.	9951.	1028.	274.6	141.1	-1.896
#2	16260.	9979.	1026.	276.6	141.3	-2.405
#3	16400.	10060.	1031.	277.5	141.5	-.7993
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	**6.178**	**-7.114**	**141.8**	**471.1**	**2.937**	**2.729**
Stddev	1.659	1.438	.7	2.6	.191	.101
%RSD	26.86	20.21	.5016	.5564	6.509	3.700
#1	7.909	-8.449	142.3	468.6	3.018	2.844
#2	4.602	-5.591	141.0	470.8	2.719	2.654
#3	6.023	-7.302	142.1	473.9	3.075	2.690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-3-b@4 Acquired: 4/20/2017 13:01:36 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**14.43**	**283.3**	**1571.**	**2200.**
Stddev	.42	.9	2.	85.
%RSD	2.882	.3086	.1347	3.885
#1	14.40	284.1	1569.	2284.
#2	14.03	282.4	1570.	2202.
#3	14.86	283.3	1573.	2113.
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	**3212.2**	**34681.**	**8644.1**
Stddev	3.9	78.	51.6
%RSD	.12171	.22601	.59646
#1	3207.9	34594.	8683.8
#2	3213.0	34746.	8662.7
#3	3215.6	34702.	8585.8

Sample Name: 460-131728-e-4-b@4 Acquired: 4/20/2017 13:05:32 Type: Unk
Method: xin_sw030317(v52) 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	**24520.**	**15.78**	**-.0345**	**787.6**	**6.458**	**11850.**
Stddev	130.	1.36	.3261	5.4	.059	79.
%RSD	.5318	8.641	944.5	.6844	.9073	.6660
#1	24380.	16.79	-.4108	782.1	6.429	11760.
#2	24620.	16.33	.1392	788.0	6.420	11880.
#3	24570.	14.23	.1680	792.8	6.526	11900.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.594**	**100.5**	**73.21**	**33.60**	**140900.**	**3590.**
Stddev	.138	.4	.75	.22	875.	29.
%RSD	8.669	.4271	1.029	.6690	.6210	.8160
#1	-1.520	100.1	72.78	33.61	140000.	3558.
#2	-1.509	100.4	72.78	33.83	140900.	3595.
#3	-1.754	100.9	74.08	33.38	141700.	3616.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-4-b@4 Acquired: 4/20/2017 13:05:32 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5726.**	F **13910.**	**780.8**	**189.5**	**58.45**	**-1.111**
Stddev	69.	24.	8.9	1.5	1.16	1.043
%RSD	1.204	.1744	1.145	.7689	1.981	93.86
#1	5657.	13940.	775.8	187.8	59.45	-.0686
#2	5725.	13900.	775.5	190.3	58.72	-1.110
#3	5795.	13900.	791.1	190.4	57.18	-2.154
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

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	**4.106**	**-6.172**	**93.69**	**326.4**	**3.552**	**2.438**
Stddev	1.153	1.147	1.16	3.2	.427	.195
%RSD	28.09	18.58	1.233	.9775	12.03	7.986
#1	5.163	-6.256	92.87	323.4	3.090	2.306
#2	4.277	-4.985	93.20	326.1	3.934	2.662
#3	2.876	-7.274	95.01	329.8	3.632	2.347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-4-b@4 Acquired: 4/20/2017 13:05:32 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11.75**	**62.96**	**1357.**	**824.3**
Stddev	.32	.37	7.	7.9
%RSD	2.756	.5905	.5303	.9583
#1	11.48	62.55	1349.	816.9
#2	12.11	63.28	1358.	832.6
#3	11.66	63.03	1363.	823.3
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	**3611.7**	**39002.**	**9578.5**
Stddev	2.6	99.	42.9
%RSD	.07176	.25363	.44789
#1	3608.9	38889.	9530.1
#2	3614.0	39044.	9593.6
#3	3612.2	39074.	9611.9

Sample Name: 460-131728-e-5-b@4 Acquired: 4/20/2017 13:09:28 Type: Unk
Method: xin_sw030317(v52) 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	**34130.**	**8.465**	**-.2604**	**599.2**	**3.314**	**16680.**
Stddev	302.	1.394	.0654	3.3	.077	90.
%RSD	.8845	16.47	25.12	.5490	2.315	.5413
#1	33900.	9.696	-.1871	595.5	3.260	16580.
#2	34020.	8.747	-.2812	600.5	3.281	16730.
#3	34470.	6.951	-.3129	601.7	3.402	16740.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.789**	**67.48**	**115.8**	**89.97**	**122900.**	**6986.**
Stddev	.049	.75	1.3	.89	716.	22.
%RSD	2.752	1.117	1.118	.9918	.5826	.3152
#1	-1.738	66.66	114.7	89.04	122000.	6974.
#2	-1.836	67.63	115.4	90.06	123200.	6972.
#3	-1.794	68.15	117.3	90.81	123300.	7011.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-5-b@4 Acquired: 4/20/2017 13:09:28 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**7236.**	**3965.**	**1236.**	**125.5**	**64.90**	**-1.766**
Stddev	78.	23.	7.	1.0	.46	1.238
%RSD	1.076	.5900	.5406	.8331	.7098	70.10
#1	7169.	3938.	1230.	124.3	64.38	-1.104
#2	7218.	3972.	1235.	126.0	65.24	-3.195
#3	7321.	3983.	1243.	126.2	65.10	-1.000
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	**3.468**	**-3.524**	**114.1**	**259.5**	**4.921**	**2.418**
Stddev	1.347	1.374	1.1	2.5	.290	.099
%RSD	38.83	38.99	.9779	.9696	5.888	4.086
#1	2.039	-2.733	113.3	257.1	5.256	2.512
#2	4.714	-2.728	113.7	259.3	4.742	2.427
#3	3.652	-5.110	115.4	262.1	4.767	2.315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-5-b@4 Acquired: 4/20/2017 13:09:28 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**12.43**	**162.3**	**1702.**	**920.6**
Stddev	1.01	1.2	13.	37.7
%RSD	8.107	.7586	.7556	4.095
#1	11.28	161.2	1688.	888.9
#2	12.84	162.1	1707.	910.7
#3	13.16	163.7	1712.	962.3
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	**3279.5**	**35503.**	**8712.7**
Stddev	8.2	70.	29.0
%RSD	.25010	.19827	.33328
#1	3270.9	35431.	8681.9
#2	3280.4	35508.	8716.4
#3	3287.2	35572.	8739.7

Sample Name: 460-131728-e-7-b@4 Acquired: 4/20/2017 13:17:04 Type: Unk
Method: xin_sw030317(v52) 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	**69980.**	**8.589**	**-1.418**	**494.1**	**6.121**	**7451.**
Stddev	328.	1.598	.674	2.9	.077	28.
%RSD	.4689	18.61	47.53	.5921	1.266	.3727
#1	69950.	8.514	-1.949	490.9	6.208	7475.
#2	69660.	10.22	-.6598	495.0	6.059	7456.
#3	70320.	7.029	-1.645	496.5	6.096	7420.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.111**	**70.82**	**95.51**	**17.27**	**189500.**	**8687.**
Stddev	.267	.42	.21	.46	842.	23.
%RSD	8.591	.5869	.2163	2.652	.4444	.2674
#1	-3.374	70.37	95.27	16.74	190500.	8661.
#2	-3.121	70.91	95.66	17.57	189200.	8704.
#3	-2.839	71.19	95.59	17.49	188900.	8696.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-7-b@4 Acquired: 4/20/2017 13:17:04 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**9924.**	**719.8**	**1133.**	**107.7**	**77.78**	**-.4377**
Stddev	30.	1.4	13.	.9	1.42	1.323
%RSD	.3006	.1896	1.165	.7984	1.820	302.3
#1	9958.	721.2	1128.	107.0	77.76	.9351
#2	9903.	719.7	1123.	107.5	76.38	-.5437
#3	9911.	718.5	1148.	108.7	79.21	-1.704
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	**4.839**	**-7.430**	**80.95**	**202.0**	**11.49**	**2.918**
Stddev	.925	2.021	.70	1.3	.65	.182
%RSD	19.13	27.21	.8610	.6452	5.665	6.230
#1	5.331	-7.094	81.27	200.5	12.20	2.712
#2	5.413	-5.597	81.43	202.5	10.93	3.057
#3	3.771	-9.598	80.15	202.9	11.33	2.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131728-e-7-b@4 Acquired: 4/20/2017 13:17:04 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**14.77**	**86.09**	**1370.**	**866.5**
Stddev	.38	.53	3.	29.6
%RSD	2.571	.6118	.2351	3.413
#1	14.67	85.51	1374.	836.9
#2	14.46	86.24	1369.	866.4
#3	15.19	86.53	1368.	896.0
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	**3122.8**	**33460.**	**8272.7**
Stddev	3.5	258.	88.7
%RSD	.11147	.77216	1.0727
#1	3123.8	33175.	8172.7
#2	3119.0	33528.	8341.9
#3	3125.8	33678.	8303.7

Sample Name: pds 460-131745-a-9-d Acquired: 4/20/2017 13:24:43 Type: Unk
Method: xin_sw030317(v52) 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	**10930.**	**1972.**	**48.68**	**2259.**	**51.69**	**81800.**
Stddev	32.	8.	.28	4.	.27	245.
%RSD	.2912	.3818	.5683	.1936	.5307	.3000
#1	10970.	1964.	48.74	2260.	52.01	81530.
#2	10930.	1979.	48.38	2254.	51.53	81900.
#3	10910.	1972.	48.92	2263.	51.54	81990.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.94**	**519.3**	**236.5**	**945.5**	**22660.**	**21050.**
Stddev	.04	.8	.7	2.6	231.	76.
%RSD	.0748	.1561	.2958	.2792	1.019	.3594
#1	50.99	519.3	235.7	946.5	22400.	21140.
#2	50.91	518.5	236.9	942.5	22750.	21030.
#3	50.93	520.1	237.0	947.4	22830.	20990.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-131745-a-9-d Acquired: 4/20/2017 13:24:43 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**28770.**	**783.8**	**20770.**	**552.8**	**914.4**	**469.0**
Stddev	74.	1.0	76.	.1	1.8	2.2
%RSD	.2561	.1220	.3684	.0242	.1938	.4756
#1	28740.	782.8	20850.	552.8	912.4	466.4
#2	28710.	783.9	20710.	552.6	915.1	470.1
#3	28850.	784.7	20730.	552.9	915.7	470.4
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	**1992.**	**2099.**	**532.5**	**810.5**	**521.5**	**512.8**
Stddev	11.	5.	1.6	2.6	2.4	1.4
%RSD	.5702	.2561	.2914	.3201	.4652	.2657
#1	1979.	2096.	531.1	807.7	518.7	511.6
#2	1996.	2097.	532.3	812.9	522.4	512.6
#3	2001.	2106.	534.1	810.8	523.3	514.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-131745-a-9-d Acquired: 4/20/2017 13:24:43 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**537.0**	**709.3**	**952.7**	**327.1**
Stddev	1.7	4.1	1.3	7.5
%RSD	.3087	.5831	.1322	2.292
#1	535.2	713.7	951.5	325.8
#2	537.5	708.7	952.5	320.4
#3	538.4	705.5	954.0	335.2
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	**2927.5**	**31242.**	**7803.2**
Stddev	7.4	135.	31.3
%RSD	.25238	.43214	.40090
#1	2934.4	31397.	7832.1
#2	2919.7	31182.	7807.4
#3	2928.5	31148.	7770.0

Sample Name: 460-131745-a-9-f ms Acquired: 4/20/2017 13:28:21 Type: Unk
Method: xin_sw030317(v52) 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	**10090.**	**197.9**	**4.955**	**393.8**	**5.551**	**56080.**
Stddev	30.	1.4	.648	.4	.028	164.
%RSD	.2977	.7271	13.07	.0930	.4971	.2932
#1	10060.	199.5	5.687	393.5	5.574	55890.
#2	10110.	196.6	4.456	394.2	5.557	56130.
#3	10090.	197.6	4.722	393.7	5.520	56210.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.236**	**57.10**	**40.50**	**55.51**	**17260.**	**3630.**
Stddev	.096	.60	.16	.40	117.	35.
%RSD	1.834	1.052	.3857	.7242	.6793	.9614
#1	5.198	56.46	40.42	55.30	17170.	3640.
#2	5.345	57.66	40.68	55.26	17220.	3591.
#3	5.164	57.17	40.40	55.97	17390.	3659.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-f ms Acquired: 4/20/2017 13:28:21 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12750.**	**309.4**	**2618.**	**73.03**	**404.7**	**26.98**
Stddev	35.	.7	8.	.48	.5	.74
%RSD	.2723	.2240	.3155	.6557	.1163	2.740
#1	12720.	308.7	2627.	72.50	404.2	27.23
#2	12740.	309.4	2612.	73.42	404.9	27.56
#3	12790.	310.1	2615.	73.17	405.0	26.15
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	**191.9**	**206.5**	**71.59**	**314.6**	**67.17**	**49.30**
Stddev	4.3	.7	.47	1.2	.54	.26
%RSD	2.228	.3628	.6588	.3740	.7971	.5319
#1	190.9	206.6	71.26	313.3	66.59	49.26
#2	196.6	207.2	71.38	315.7	67.65	49.58
#3	188.2	205.7	72.13	314.7	67.27	49.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-f ms Acquired: 4/20/2017 13:28:21 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**56.03**	**242.0**	**478.0**	**590.4**
Stddev	.91	.5	1.0	8.4
%RSD	1.619	.2132	.2163	1.418
#1	55.44	241.5	476.9	599.4
#2	55.57	242.0	478.9	589.0
#3	57.07	242.6	478.1	582.9
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	**2966.0**	**31809.**	**7849.7**
Stddev	5.9	77.	22.0
%RSD	.19907	.24308	.28089
#1	2964.7	31872.	7840.2
#2	2960.8	31723.	7833.9
#3	2972.4	31831.	7874.9

Sample Name: 460-131745-a-9-e du Acquired: 4/20/2017 13:32:12 Type: Unk
Method: xin_sw030317(v52) 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	**8940.**	**6.798**	**-.2438**	**206.0**	**.5257**	**58900.**
Stddev	48.	1.482	.2298	.3	.0250	106.
%RSD	.5334	21.80	94.28	.1576	4.757	.1795
#1	8979.	7.938	-.3673	205.7	.5487	58910.
#2	8887.	7.333	-.3854	206.4	.4991	59000.
#3	8955.	5.123	.0214	205.9	.5294	58790.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1115**	**6.279**	**28.44**	**560.0**	**22580.**	**1513.**
Stddev	.0870	.287	.37	2.3	52.	38.
%RSD	78.04	4.579	1.309	.4110	.2294	2.519
#1	.2109	6.137	28.01	560.9	22520.	1484.
#2	.0493	6.089	28.60	557.4	22600.	1498.
#3	.0742	6.609	28.70	561.7	22610.	1556.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-e du Acquired: 4/20/2017 13:32:12 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**8784.**	**278.9**	**681.1**	**31.54**	**399.0**	**-.3693**
Stddev	16.	.2	8.5	.25	1.1	1.436
%RSD	.1813	.0718	1.247	.7786	.2737	388.8
#1	8766.	278.9	672.5	31.57	397.7	1.123
#2	8793.	279.0	681.3	31.77	399.7	-.4900
#3	8793.	278.6	689.5	31.28	399.4	-1.741
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	**.4393**	**-1.103**	**24.38**	**299.3**	**16.20**	**.6770**
Stddev	.7877	.794	.26	1.8	.60	.2042
%RSD	179.3	72.03	1.059	.6118	3.698	30.15
#1	.0096	-.2537	24.12	297.2	16.28	.5284
#2	1.348	-1.828	24.41	300.1	16.76	.9098
#3	-.0401	-1.227	24.63	300.5	15.57	.5929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-e du Acquired: 4/20/2017 13:32:12 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**20.31**	**199.4**	**443.9**	**300.5**
Stddev	.77	.4	1.1	5.2
%RSD	3.813	.1894	.2367	1.726
#1	19.88	199.8	444.2	306.4
#2	21.21	199.1	444.8	297.1
#3	19.85	199.2	442.8	297.9
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	**2946.9**	**31659.**	**7871.7**
Stddev	5.3	141.	12.1
%RSD	.17879	.44586	.15430
#1	2949.7	31575.	7870.6
#2	2940.8	31579.	7884.4
#3	2950.2	31822.	7860.2

Sample Name: 460-131745-a-9-d@20 Acquired: 4/20/2017 13:36:04 Type: Unk
Method: xin_sw030317(v52) 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	**8755.**	**4.966**	**.0985**	**200.8**	**.5933**	**57480.**
Stddev	13.	1.341	.3672	.2	.0161	123.
%RSD	.1447	27.00	372.8	.0997	2.719	.2138
#1	8766.	4.235	.3939	200.7	.5821	57390.
#2	8741.	6.513	-.3126	200.7	.5860	57620.
#3	8758.	4.149	.2143	201.1	.6118	57440.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2507**	**6.161**	**27.81**	**548.6**	**21980.**	**1453.**
Stddev	.1269	.072	.26	1.3	146.	6.
%RSD	50.63	1.171	.9255	.2306	.6639	.4453
#1	.2715	6.128	28.08	548.2	21820.	1451.
#2	.3660	6.112	27.78	550.0	22050.	1447.
#3	.1147	6.244	27.57	547.6	22080.	1460.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-d@20 Acquired: 4/20/2017 13:36:04 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**8549.**	**272.7**	**656.8**	**30.51**	**389.1**	**.4309**
Stddev	65.	.5	5.0	.67	1.7	.4255
%RSD	.7620	.1856	.7677	2.197	.4322	98.74
#1	8474.	272.9	662.4	29.74	389.5	.6958
#2	8592.	273.0	655.4	30.97	387.3	-.0599
#3	8582.	272.1	652.6	30.82	390.6	.6568
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	**.8564**	**-.5950**	**23.45**	**291.2**	**15.66**	**.6618**
Stddev	1.934	.8518	.15	.7	.48	.1307
%RSD	225.8	143.2	.6203	.2243	3.047	19.75
#1	2.324	-1.547	23.55	291.6	15.46	.5656
#2	-1.335	.0947	23.52	290.4	15.32	.8106
#3	1.580	-.3325	23.29	291.5	16.20	.6092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131745-a-9-d@20 Acquired: 4/20/2017 13:36:04 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**19.68**	**196.9**	**434.0**	**270.7**
Stddev	.63	.3	2.6	11.0
%RSD	3.199	.1381	.6032	4.070
#1	19.79	197.0	431.1	283.2
#2	19.00	196.6	434.8	266.2
#3	20.25	197.1	436.1	262.6
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	**2958.3**	**31744.**	**7809.5**
Stddev	10.1	120.	9.0
%RSD	.34079	.37946	.11504
#1	2950.0	31708.	7800.8
#2	2969.5	31645.	7818.7
#3	2955.5	31878.	7808.8

Sample Name: CCV Acquired: 4/20/2017 13:39:55 Type: QC
Method: xin_sw030317(v52) 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	**124700.**	**2504.**	**1249.**	**10180.**	**1002.**	**124600.**
Stddev	219.	7.	1.	4.	2.	326.
%RSD	.1754	.2972	.0554	.0382	.2336	.2618
#1	124800.	2509.	1249.	10190.	1004.	125000.
#2	124500.	2496.	1250.	10180.	1001.	124300.
#3	124900.	2508.	1248.	10180.	999.9	124500.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1260.**	**2516.**	**5058.**	**12650.**	**102000.**	**48980.**
Stddev	1.	3.	8.	19.	189.	100.
%RSD	.0994	.1337	.1612	.1522	.1858	.2050
#1	1261.	2520.	5068.	12670.	102200.	49080.
#2	1259.	2513.	5054.	12640.	101800.	48880.
#3	1259.	2514.	5053.	12630.	101900.	48980.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 13:39:55 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**125200.**	**5066.**	**125500.**	**2544.**	**7629.**	**994.4**
Stddev	135.	9.	243.	2.	9.	2.8
%RSD	.1075	.1820	.1934	.0857	.1234	.2831
#1	125300.	5077.	125700.	2546.	7640.	996.5
#2	125100.	5061.	125300.	2542.	7623.	995.5
#3	125100.	5061.	125400.	2543.	7624.	991.2
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.**	**2550.**	**2506.**	**2494.**	**1019.**	**2529.**
Stddev	5.	3.	3.	3.	2.	2.
%RSD	.2043	.1360	.1001	.1242	.2452	.0944
#1	2531.	2554.	2507.	2498.	1022.	2531.
#2	2537.	2547.	2503.	2492.	1018.	2531.
#3	2526.	2549.	2508.	2494.	1017.	2527.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 13:39:55 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1012.**	**5081.**	**10290.**	**10030.**
Stddev	1.	10.	45.	58.
%RSD	.1326	.1908	.4377	.5771
#1	1012.	5090.	10250.	10100.
#2	1014.	5071.	10280.	10010.
#3	1011.	5083.	10330.	9986.
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	**2771.3**	**30001.**	**7730.0**
Stddev	2.6	98.	54.1
%RSD	.09360	.32749	.69931
#1	2771.1	29938.	7780.2
#2	2773.9	30114.	7737.1
#3	2768.8	29950.	7672.8

Sample Name: CCB Acquired: 4/20/2017 13:43:39 Type: QC
Method: xin_sw030317(v52) 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	**-.3195**	**1.172**	**.0547**	**.2177**	**.0368**	**-6.643**
Stddev	5.191	.333	.2633	.1834	.0436	4.632
%RSD	1625.	28.37	481.1	84.24	118.4	69.73
#1	5.589	1.473	.3124	.4105	.0455	-2.479
#2	-4.149	1.228	.0655	.0455	-.0105	-11.63
#3	-2.399	.8152	-.2138	.1971	.0754	-5.818
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0298**	**-.3640**	**.5486**	**-.0578**	**10.15**	**26.43**
Stddev	.0660	.1045	.0624	.2363	6.02	30.44
%RSD	221.6	28.71	11.37	408.9	59.24	115.2
#1	.0400	-.2737	.4868	.2119	16.46	57.74
#2	-.0380	-.3398	.5476	-.2283	4.481	24.59
#3	-.0913	-.4784	.6115	-.1569	9.521	-3.058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 13:43:39 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5.139**	**.0916**	**-2.139**	**.5700**	**.1568**	**.7679**
Stddev	3.719	.0614	2.783	.3279	2.026	1.387
%RSD	72.36	67.04	130.1	57.53	1292.	180.6
#1	8.141	.1615	1.024	.6165	-.1228	-.8308
#2	6.297	.0465	-4.216	.2213	2.308	1.492
#3	.9791	.0667	-3.224	.8721	-1.715	1.643
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	**1.885**	**-.6603**	**.1882**	**.1357**	**.2664**	**.4498**
Stddev	1.337	1.853	.2756	.2085	.1556	.3745
%RSD	70.95	280.6	146.4	153.7	58.40	83.25
#1	2.010	1.479	.2820	.3610	.3910	.8086
#2	.4890	-1.770	.4046	.0967	.0920	.4796
#3	3.154	-1.690	-.1221	-.0506	.3163	.0614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 13:43:39 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2039**	**.0550**	**.3694**	**10.13**
Stddev	.5783	.1022	.3990	11.21
%RSD	283.6	185.7	108.0	110.6
#1	.0912	.0497	.8299	22.00
#2	.8304	.1597	.1526	-.2799
#3	-.3097	-.0444	.1257	8.676
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	**2970.5**	**31918.**	**7804.2**
Stddev	4.2	53.	41.9
%RSD	.13997	.16702	.53662
#1	2966.7	31893.	7763.4
#2	2974.9	31979.	7802.2
#3	2969.9	31881.	7847.1

Sample Name: CCVL Acquired: 4/20/2017 13:47:40 Type: QC
Method: xin_sw030317(v52) 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	**235.9**	**16.04**	**9.674**	**211.5**	**2.120**	**5108.**
Stddev	3.8	1.52	.353	.2	.036	9.
%RSD	1.613	9.459	3.645	.1083	1.708	.1843
#1	240.3	17.77	9.805	211.3	2.125	5098.
#2	234.1	14.95	9.275	211.7	2.082	5111.
#3	233.3	15.40	9.942	211.6	2.154	5116.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.122**	**53.10**	**10.80**	**24.69**	**159.8**	**4891.**
Stddev	.012	.30	.07	.13	5.4	33.
%RSD	.2829	.5557	.6647	.5221	3.390	.6688
#1	4.129	52.86	10.88	24.84	165.5	4864.
#2	4.127	53.00	10.74	24.64	154.8	4881.
#3	4.108	53.43	10.77	24.60	158.9	4927.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 13:47:40 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5061.**	**16.03**	**4924.**	**43.23**	**11.96**	**19.79**
Stddev	30.	.06	4.	.05	1.42	.91
%RSD	.5982	.3605	.0913	.1253	11.89	4.598
#1	5039.	15.97	4923.	43.18	13.00	20.72
#2	5048.	16.05	4920.	43.29	12.53	19.75
#3	5095.	16.08	4929.	43.22	10.34	18.90
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	**23.24**	**22.10**	**51.66**	**31.58**	**49.99**	**20.34**
Stddev	1.38	1.34	.57	.24	.39	.07
%RSD	5.917	6.051	1.097	.7532	.7801	.3531
#1	22.10	23.55	51.04	31.32	49.84	20.42
#2	22.85	21.82	52.15	31.66	50.43	20.28
#3	24.77	20.92	51.78	31.77	49.70	20.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 13:47:40 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**51.77**	**20.77**	**22.03**	F **18.29**
Stddev	.82	.10	.18	8.04
%RSD	1.584	.4841	.7960	43.96
#1	52.42	20.78	22.18	21.07
#2	52.06	20.66	21.84	9.227
#3	50.85	20.86	22.06	24.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2964.5**	**31849.**	**7796.6**
Stddev	6.2	101.	37.9
%RSD	.20979	.31760	.48654
#1	2964.3	31841.	7762.2
#2	2958.3	31954.	7837.3
#3	2970.8	31752.	7790.2

Sample Name: 460-131680-a-23-b@20 Acquired: 4/20/2017 13:55:33 Type: Unk
Method: xin_sw030317(v52) 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	**7711.**	**6.270**	**-.5402**	**71.78**	**.3112**	**1669.**
Stddev	41.	.735	.3748	.44	.0788	8.
%RSD	.5288	11.72	69.39	.6083	25.34	.4586
#1	7666.	5.758	-.9497	71.28	.4018	1662.
#2	7745.	7.112	-.4570	72.05	.2579	1668.
#3	7722.	5.941	-.2140	72.03	.2739	1677.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7979**	**5.267**	**21.03**	**24.26**	**39770.**	**2193.**
Stddev	.1286	.217	.39	.28	31.	14.
%RSD	16.12	4.111	1.846	1.148	.0790	.6488
#1	-.9305	5.187	20.61	24.21	39790.	2177.
#2	-.6736	5.512	21.09	24.01	39730.	2205.
#3	-.7896	5.101	21.38	24.56	39770.	2198.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-23-b@20 Acquired: 4/20/2017 13:55:33 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4292.**	**266.4**	**510.0**	**18.45**	**22.74**	**-.2407**
Stddev	21.	.4	1.7	.12	1.01	1.366
%RSD	.5008	.1407	.3375	.6470	4.422	567.8
#1	4273.	266.1	511.1	18.39	21.99	.7086
#2	4287.	266.3	510.8	18.58	22.34	-1.807
#3	4315.	266.9	508.0	18.37	23.88	.3761
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	**3.021**	**-.4446**	**30.34**	**47.04**	**.1303**	**.2345**
Stddev	.430	2.053	.27	.47	.3501	.0970
%RSD	14.25	461.9	.8873	1.009	268.6	41.36
#1	3.518	.7048	30.03	46.49	.5346	.1278
#2	2.762	-2.815	30.52	47.32	-.0734	.2584
#3	2.783	.7768	30.48	47.30	-.0701	.3173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131680-a-23-b@20 Acquired: 4/20/2017 13:55:33 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.065**	**18.14**	**661.7**	**146.9**
Stddev	.552	.13	1.1	2.4
%RSD	18.01	.7388	.1636	1.609
#1	2.487	18.24	661.0	149.5
#2	3.587	17.99	661.2	144.8
#3	3.121	18.20	663.0	146.6
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	**2990.8**	**32196.**	**7899.1**
Stddev	6.8	33.	14.1
%RSD	.22815	.10330	.17892
#1	2998.1	32159.	7915.3
#2	2984.6	32206.	7892.6
#3	2989.6	32224.	7889.3

Sample Name: CCB Acquired: 4/20/2017 14:03:12 Type: QC
Method: xin_sw030317(v52) 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	**6.578**	**-.3176**	**-.1803**	**.1583**	**.0171**	**-12.21**
Stddev	2.920	2.173	.2795	.0671	.0563	3.34
%RSD	44.39	684.1	155.0	42.37	329.6	27.37
#1	3.549	2.178	.1400	.2275	-.0331	-15.71
#2	9.375	-1.339	-.3067	.0936	.0780	-11.85
#3	6.810	-1.791	-.3742	.1539	.0063	-9.055
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0392**	**.0314**	**.6152**	**-.4716**	**7.482**	**44.18**
Stddev	.0457	.0483	.2353	.3232	6.523	24.32
%RSD	116.4	153.7	38.25	68.52	87.18	55.05
#1	-.0020	-.0089	.4382	-.1062	12.39	26.06
#2	-.0254	.0182	.8822	-.7198	9.977	71.82
#3	-.0902	.0849	.5251	-.5889	.0800	34.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 14:03:12 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3.203**	**.0353**	**-4.535**	**-.1386**	**-.1937**	**-.0658**
Stddev	.438	.1506	11.77	.2885	.6819	.1872
%RSD	13.66	427.0	259.5	208.2	352.0	284.8
#1	2.738	.1978	6.785	-.1140	.4515	.1456
#2	3.607	.0075	-3.684	.1369	-.9072	-.1322
#3	3.264	-.0996	-16.71	-.4385	-.1254	-.2107
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	**-.3178**	**-1.170**	**.0924**	**.0655**	**.8726**	**.5845**
Stddev	.4126	.748	.4504	.1560	.4689	.5051
%RSD	129.8	63.88	487.4	238.1	53.74	86.43
#1	-.7208	-1.457	.6102	.1957	1.392	1.106
#2	-.3364	-1.732	-.1242	.1082	.4800	.5507
#3	.1037	-.3218	-.2088	-.1074	.7460	.0971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 14:03:12 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.0734**	**.0288**	**.3424**	**12.88**
Stddev	1.147	.0989	.2075	6.14
%RSD	1563.	343.9	60.61	47.70
#1	-1.091	.1346	.5164	6.118
#2	.1098	.0130	.3982	14.39
#3	1.202	-.0613	.1127	18.12
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	**2954.1**	**32017.**	**7810.0**
Stddev	2.0	165.	33.4
%RSD	.06930	.51425	.42825
#1	2952.5	32088.	7845.3
#2	2953.4	31829.	7806.2
#3	2956.4	32134.	7778.7

Sample Name: CCVL Acquired: 4/20/2017 14:07:14 Type: QC
Method: xin_sw030317(v52) 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	**226.0**	**15.74**	**9.303**	**212.0**	**2.071**	**5074.**
Stddev	3.6	1.79	.147	.2	.025	30.
%RSD	1.600	11.38	1.579	.1135	1.216	.5941
#1	222.3	13.84	9.472	212.3	2.061	5086.
#2	229.5	17.40	9.204	211.9	2.052	5096.
#3	226.2	15.97	9.235	211.9	2.100	5039.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.077**	**53.30**	**10.84**	**24.62**	**158.9**	**4854.**
Stddev	.043	.22	.24	.21	6.1	31.
%RSD	1.058	.4171	2.175	.8356	3.826	.6307
#1	4.125	53.37	10.58	24.40	165.8	4820.
#2	4.064	53.05	10.91	24.80	154.5	4880.
#3	4.042	53.47	11.04	24.65	156.3	4861.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 14:07:14 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5006.**	**15.90**	**4879.**	**43.39**	**12.03**	**20.76**
Stddev	26.	.13	14.	.11	.76	.90
%RSD	.5272	.8267	.2969	.2562	6.341	4.313
#1	4997.	16.01	4890.	43.32	11.21	19.75
#2	5035.	15.93	4863.	43.52	12.17	21.46
#3	4985.	15.76	4883.	43.33	12.72	21.06
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	**21.54**	**23.06**	**51.15**	**31.54**	**50.22**	**20.68**
Stddev	2.01	.05	.23	.17	.17	.16
%RSD	9.343	.2026	.4543	.5528	.3323	.7683
#1	20.40	23.03	51.11	31.37	50.27	20.50
#2	23.87	23.12	51.40	31.72	50.35	20.72
#3	20.36	23.04	50.94	31.54	50.03	20.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 14:07:14 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**51.46**	**20.65**	**22.00**	F **27.98**
Stddev	.14	.06	.26	1.27
%RSD	.2741	.2914	1.201	4.553
#1	51.30	20.60	21.93	29.26
#2	51.53	20.62	22.30	27.98
#3	51.56	20.72	21.78	26.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2945.7**	**32008.**	**7846.1**
Stddev	8.7	218.	105.0
%RSD	.29384	.67973	1.3378
#1	2936.1	31936.	7725.9
#2	2952.9	31835.	7892.4
#3	2948.2	32252.	7919.9

Sample Name: CCV Acquired: 4/20/2017 15:57:58 Type: QC
Method: xin_sw030317(v52) 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	**125400.**	**2534.**	**1250.**	**10280.**	**1006.**	**125800.**
Stddev	905.	10.	.	16.	4.	137.
%RSD	.7213	.3769	.0317	.1602	.4298	.1089
#1	126400.	2543.	1250.	10270.	1011.	125600.
#2	124700.	2524.	1250.	10270.	1002.	125800.
#3	125100.	2534.	1249.	10300.	1005.	125800.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1272.**	**2548.**	**5059.**	**12810.**	**101800.**	**49140.**
Stddev	2.	6.	4.	44.	128.	230.
%RSD	.1669	.2301	.0732	.3416	.1260	.4677
#1	1271.	2544.	5054.	12830.	101700.	49410.
#2	1271.	2545.	5061.	12840.	101900.	48990.
#3	1275.	2554.	5060.	12760.	101800.	49030.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 15:57:58 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**124600.**	**5102.**	**125700.**	**2573.**	**7703.**	**1013.**
Stddev	259.	3.	714.	3.	11.	1.
%RSD	.2081	.0670	.5679	.1138	.1487	.0744
#1	124300.	5101.	126600.	2572.	7702.	1012.
#2	124700.	5106.	125300.	2570.	7692.	1013.
#3	124800.	5100.	125400.	2576.	7715.	1012.
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	**2571.**	**2579.**	**2522.**	**2514.**	**1033.**	**2563.**
Stddev	7.	4.	1.	14.	3.	5.
%RSD	.2709	.1412	.0429	.5463	.2436	.2026
#1	2578.	2576.	2523.	2499.	1034.	2560.
#2	2564.	2577.	2521.	2516.	1031.	2560.
#3	2572.	2583.	2522.	2526.	1036.	2569.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 15:57:58 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1024.**	**5145.**	**10400.**	**10050.**
Stddev	3.	31.	55.	25.
%RSD	.2446	.5991	.5274	.2493
#1	1023.	5181.	10340.	10020.
#2	1023.	5123.	10450.	10070.
#3	1027.	5133.	10410.	10050.
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	**2758.3**	**30040.**	**7670.9**
Stddev	5.3	125.	19.7
%RSD	.19050	.41657	.25651
#1	2764.4	30172.	7665.6
#2	2755.6	30024.	7692.6
#3	2755.0	29923.	7654.4

Sample Name: mb 460-431672/1-a Acquired: 4/20/2017 16:09:38 Type: QC
Method: xin_sw030317(v52) 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	**-5.282**	**1.013**	**-.1774**	**.0492**	**-.0060**	**-11.24**
Stddev	5.261	.645	.4307	.0668	.0312	4.61
%RSD	99.61	63.64	242.7	135.9	516.2	40.97
#1	-11.32	1.448	-.0819	-.0277	-.0072	-5.965
#2	-1.652	.2723	.1975	.0935	-.0366	-14.45
#3	-2.878	1.320	-.6479	.0816	.0257	-13.32
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0589**	**-.1090**	**.4448**	**-.6064**	**2.059**	**18.07**
Stddev	.0449	.0924	.1085	.2260	4.109	28.13
%RSD	76.20	84.75	24.38	37.26	199.6	155.7
#1	-.0472	-.0024	.3519	-.3470	-1.179	45.82
#2	-.0211	-.1652	.4186	-.7606	.6736	18.82
#3	-.1085	-.1595	.5640	-.7117	6.682	-10.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-431672/1-a Acquired: 4/20/2017 16:09:38 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1.057**	**-.0586**	**-16.71**	**.0676**	**.2783**	**.5231**
Stddev	1.686	.0838	5.88	.1615	.8192	.9104
%RSD	159.4	143.0	35.21	239.0	294.4	174.0
#1	1.179	.0076	-17.89	-.0777	-.5569	1.258
#2	2.679	-.0306	-21.92	.2414	1.081	.8067
#3	-.6858	-.1528	-10.33	.0390	.3111	-.4954
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	**.5521**	**-.3655**	**.3024**	**.4008**	**-.8778**	**-.1115**
Stddev	.8499	.5128	.3433	.0549	.6741	.0376
%RSD	153.9	140.3	113.5	13.70	76.80	33.77
#1	.6504	-.9002	.6540	.4390	-1.120	-.0705
#2	1.348	-.3184	.2852	.4256	-.1161	-.1445
#3	-.3427	.1221	-.0320	.3379	-1.398	-.1194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-431672/1-a Acquired: 4/20/2017 16:09:38 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3153**	**-.0331**	**-.2184**	**11.41**
Stddev	.6502	.0497	.1977	6.59
%RSD	206.2	150.0	90.54	57.73
#1	-.3414	-.0042	-.2594	11.21
#2	.3284	-.0047	-.3924	4.931
#3	.9589	-.0905	-.0034	18.11
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	**2943.2**	**31873.**	**7771.3**
Stddev	2.7	80.	23.9
%RSD	.09035	.24980	.30800
#1	2944.8	31782.	7793.8
#2	2940.2	31929.	7746.2
#3	2944.7	31910.	7773.8

Sample Name: 460-131844-e-1-b du Acquired: 4/20/2017 16:17:20 Type: Unk
Method: xin_sw030317(v52) 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	**396.9**	**14.46**	**-.1872**	**71.68**	**.0200**	**118000.**
Stddev	15.2	.94	.4750	.10	.0243	28.
%RSD	3.830	6.532	253.7	.1326	121.8	.0240
#1	397.6	15.25	-.7270	71.79	-.0056	118000.
#2	381.3	14.71	.1666	71.60	.0226	118000.
#3	411.7	13.41	-.0012	71.66	.0428	118000.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0759**	**-.3771**	**36.22**	**18.08**	**136.1**	**23940.**
Stddev	.0924	.0409	.16	.21	8.4	55.
%RSD	121.8	10.84	.4511	1.166	6.205	.2307
#1	-.0578	-.3965	36.03	18.08	126.5	23960.
#2	.0061	-.3301	36.31	17.87	139.2	23990.
#3	-.1761	-.4046	36.32	18.29	142.5	23880.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131844-e-1-b du Acquired: 4/20/2017 16:17:20 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**28070.**	**19.22**	F **632500.**	**2.816**	**-1.077**	**16.99**
Stddev	23.	.11	6143.	.534	.156	1.55
%RSD	.0822	.5872	.9712	18.95	14.46	9.131
#1	28090.	19.23	639600.	2.506	-1.107	16.09
#2	28080.	19.33	629100.	2.510	-.9088	16.11
#3	28050.	19.11	628800.	3.432	-1.216	18.78
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	**10.59**	**-.9638**	**13.97**	**12.72**	**259.2**	**40.19**
Stddev	1.77	1.877	.17	.09	.9	.07
%RSD	16.69	194.7	1.206	.6915	.3340	.1698
#1	12.04	-2.516	13.85	12.73	258.5	40.18
#2	8.620	1.122	14.16	12.63	260.2	40.27
#3	11.12	-1.498	13.90	12.81	259.0	40.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131844-e-1-b du Acquired: 4/20/2017 16:17:20 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8874**	**1027.**	**9.851**	**4616.**
Stddev	.1416	3.	.204	40.
%RSD	15.96	.3123	2.076	.8592
#1	1.035	1031.	10.07	4658.
#2	.7532	1025.	9.673	4611.
#3	.8737	1025.	9.806	4579.
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	**2701.6**	**28741.**	**7553.6**
Stddev	5.5	45.	13.0
%RSD	.20345	.15762	.17182
#1	2696.6	28719.	7567.6
#2	2707.5	28712.	7551.2
#3	2700.7	28794.	7541.9

Sample Name: 460-131844-e-1-c ms Acquired: 4/20/2017 16:29:38 Type: Unk
Method: xin_sw030317(v52) 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	**2574.**	**2194.**	**52.99**	**2218.**	**53.43**	**137500.**
Stddev	10.	10.	1.17	3.	.11	348.
%RSD	.3944	.4489	2.199	.1285	.2120	.2528
#1	2584.	2202.	53.20	2220.	53.37	137100.
#2	2564.	2197.	54.04	2218.	53.36	137500.
#3	2576.	2183.	51.73	2215.	53.56	137800.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.18**	**527.7**	**251.8**	**287.5**	**1211.**	**44970.**
Stddev	.37	.3	.7	1.2	16.	95.
%RSD	.7022	.0541	.2732	.4040	1.357	.2111
#1	51.95	527.7	251.6	288.8	1202.	44870.
#2	52.60	528.0	251.3	286.9	1201.	45060.
#3	51.99	527.4	252.6	286.6	1230.	44990.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131844-e-1-c ms Acquired: 4/20/2017 16:29:38 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**48360.**	**549.5**	F **648800.**	**538.4**	**496.8**	**532.3**
Stddev	41.	.7	8379.	1.3	.9	.8
%RSD	.0856	.1272	1.291	.2484	.1868	.1456
#1	48310.	548.9	648300.	539.2	497.9	533.1
#2	48360.	549.4	657400.	539.1	496.4	531.9
#3	48400.	550.2	640600.	536.8	496.2	531.7
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	**2208.**	**2026.**	**552.5**	**547.6**	**796.3**	**579.5**
Stddev	7.	9.	3.7	2.9	2.3	1.2
%RSD	.3353	.4282	.6676	.5222	.2897	.2057
#1	2213.	2016.	550.0	545.2	797.4	578.2
#2	2211.	2033.	550.7	546.9	797.8	580.5
#3	2199.	2029.	556.7	550.7	793.6	579.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131844-e-1-c ms Acquired: 4/20/2017 16:29:38 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**533.8**	**1561.**	**563.2**	**4704.**
Stddev	1.6	5.	.9	8.
%RSD	.3020	.3291	.1541	.1700
#1	531.9	1559.	564.1	4708.
#2	534.9	1557.	563.1	4695.
#3	534.6	1567.	562.4	4709.
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	**2686.1**	**28752.**	**7616.7**
Stddev	4.2	61.	23.0
%RSD	.15802	.21389	.30218
#1	2681.2	28684.	7633.3
#2	2688.6	28804.	7626.5
#3	2688.5	28768.	7590.4

Sample Name: 460-131615-a-1-b@2 Acquired: 4/20/2017 16:37:13 Type: Unk
Method: xin_sw030317(v52) 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	**314.7**	**3.059**	**-.8210**	**367.2**	**-.0204**	**104300.**
Stddev	2.6	2.131	.4468	.5	.0391	216.
%RSD	.8145	69.68	54.43	.1236	192.1	.2070
#1	314.1	5.220	-1.167	367.1	-.0412	104400.
#2	317.5	2.999	-.3165	367.7	.0248	104400.
#3	312.5	.9585	-.9792	366.8	-.0447	104000.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2911**	**-.0591**	**.8719**	**8.782**	**12590.**	**32560.**
Stddev	.0593	.1739	.1279	.336	61.	187.
%RSD	20.36	294.5	14.67	3.821	.4883	.5752
#1	-.2233	-.1487	.7756	8.419	12530.	32360.
#2	-.3167	-.1699	1.017	9.080	12570.	32570.
#3	-.3332	.1414	.8231	8.847	12650.	32740.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131615-a-1-b@2 Acquired: 4/20/2017 16:37:13 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**29230.**	**402.7**	F **278800.**	**3.584**	**-2.111**	**.7503**
Stddev	52.	.8	2704.	.357	.359	1.350
%RSD	.1770	.2050	.9698	9.949	17.02	180.0
#1	29210.	402.6	280300.	3.214	-2.211	-.0318
#2	29290.	403.6	280400.	3.925	-2.410	2.309
#3	29190.	401.9	275700.	3.613	-1.713	-.0267
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	**3.026**	**-1.340**	**1.830**	**39.94**	**449.6**	**.1274**
Stddev	3.542	1.135	.133	.27	3.2	.0840
%RSD	117.0	84.69	7.271	.6880	.7024	65.91
#1	1.503	-2.199	1.983	39.73	446.0	.0325
#2	7.074	-1.768	1.753	40.25	450.6	.1576
#3	.5012	-.0534	1.753	39.84	452.1	.1921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131615-a-1-b@2 Acquired: 4/20/2017 16:37:13 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.121**	**742.9**	**6.613**	**5627.**
Stddev	.187	2.7	.214	39.
%RSD	8.820	.3659	3.242	.6936
#1	2.273	741.3	6.718	5582.
#2	1.912	741.4	6.367	5646.
#3	2.177	746.1	6.755	5653.
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	**2756.0**	**29787.**	**7794.5**
Stddev	1.9	119.	21.4
%RSD	.07017	.39968	.27408
#1	2754.5	29697.	7811.2
#2	2755.5	29742.	7801.9
#3	2758.2	29922.	7770.5

Sample Name: 460-131721-a-2-b Acquired: 4/20/2017 16:45:09 Type: Unk
Method: xin_sw030317(v52) 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	**469.6**	**2.424**	**-.3891**	**37.89**	**.0123**	F **274000.**
Stddev	9.5	1.006	.3820	.20	.0311	1373.
%RSD	2.018	41.50	98.17	.5322	254.2	.5010
#1	470.0	1.417	-.0053	37.80	-.0197	275600.
#2	478.8	3.429	-.3927	37.76	.0425	273200.
#3	459.9	2.426	-.7693	38.13	.0140	273300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						250000.
Low Limit						-200.0

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.982**	**-.3235**	**.2935**	**17.09**	**64.00**	**38860.**
Stddev	.046	.1856	.2923	.26	4.79	40.
%RSD	1.161	57.38	99.59	1.496	7.480	.1033
#1	3.954	-.5147	-.0359	16.80	67.67	38840.
#2	3.957	-.3116	.3948	17.23	65.75	38840.
#3	4.036	-.1441	.5217	17.25	58.59	38910.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131721-a-2-b Acquired: 4/20/2017 16:45:09 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**28250.**	**1.841**	**128700.**	**1.628**	**-5.892**	**4.702**
Stddev	64.	.063	374.	.579	1.501	.296
%RSD	.2263	3.412	.2906	35.57	25.48	6.301
#1	28320.	1.869	128400.	1.479	-5.347	4.679
#2	28200.	1.885	128600.	2.267	-7.589	4.418
#3	28220.	1.769	129100.	1.138	-4.739	5.010
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	**.2430**	**-2.216**	**2.166**	**255.9**	**596.7**	**5.797**
Stddev	4.365	2.319	.176	.8	4.5	.086
%RSD	1796.	104.6	8.144	.3034	.7538	1.486
#1	-4.506	-3.661	2.212	255.6	593.6	5.713
#2	1.156	-3.446	1.971	255.3	594.7	5.885
#3	4.079	.4587	2.314	256.7	601.9	5.791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131721-a-2-b Acquired: 4/20/2017 16:45:09 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2682**	**2512.**	**6.724**	**10880.**
Stddev	.2195	6.	.012	3.
%RSD	81.81	.2365	.1777	.0255
#1	.4502	2516.	6.710	10880.
#2	.0245	2514.	6.730	10880.
#3	.3300	2505.	6.732	10880.
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	**2749.2**	**29757.**	**7693.0**
Stddev	5.5	182.	7.2
%RSD	.19995	.61235	.09337
#1	2748.9	29557.	7684.9
#2	2754.8	29914.	7698.7
#3	2743.8	29800.	7695.3

Sample Name: CCB Acquired: 4/20/2017 16:52:50 Type: QC
Method: xin_sw030317(v52) 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	**1.893**	**1.437**	**-.2873**	**.1475**	**.0250**	**-16.18**
Stddev	10.95	.905	.1836	.1071	.0365	3.25
%RSD	578.4	62.96	63.91	72.61	145.6	20.06
#1	1.715	2.414	-.2670	.2604	-.0169	-12.46
#2	12.93	.6266	-.4802	.1349	.0491	-18.43
#3	-8.965	1.272	-.1147	.0473	.0429	-17.65
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0886**	**-.0851**	**.3967**	**-.7252**	**-1.898**	**37.21**
Stddev	.1027	.2280	.3288	.0684	15.62	33.49
%RSD	116.0	268.0	82.88	9.432	823.2	90.00
#1	-.0241	-.1355	.5714	-.6478	-10.32	73.57
#2	-.2070	.1639	.6013	-.7775	-11.50	30.44
#3	-.0346	-.2836	.0174	-.7503	16.13	7.622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 16:52:50 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2.829**	**-.0067**	**44.75**	**.1480**	**1.166**	**.6588**
Stddev	.926	.0954	13.75	.1022	.576	.5111
%RSD	32.73	1427.	30.72	69.05	49.46	77.58
#1	2.261	.1018	60.09	.0500	.5015	1.106
#2	2.329	-.0775	40.64	.2540	1.537	.1016
#3	3.898	-.0444	33.53	.1400	1.458	.7692
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	**2.037**	**.8307**	**.2452**	**.2179**	**.7899**	**.7121**
Stddev	1.053	.8366	.4924	.0391	.5990	.4295
%RSD	51.67	100.7	200.8	17.96	75.82	60.32
#1	1.966	.9303	.7603	.2586	1.254	.9873
#2	3.124	1.613	-.2208	.2144	1.002	.9318
#3	1.022	-.0511	.1962	.1806	.1138	.2172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 16:52:50 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3311**	**.0795**	**.4535**	**13.29**
Stddev	.4872	.0856	.3248	5.85
%RSD	147.2	107.7	71.62	43.98
#1	.8647	.1724	.7907	19.87
#2	.2186	.0622	.4269	11.31
#3	-.0901	.0038	.1428	8.693
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	**2911.4**	**31553.**	**7781.5**
Stddev	7.2	142.	57.4
%RSD	.24808	.45155	.73779
#1	2904.9	31718.	7825.7
#2	2919.2	31476.	7716.6
#3	2910.0	31466.	7802.1

Sample Name: 460-131723-a-2-b Acquired: 4/20/2017 17:04:47 Type: Unk
Method: xin_sw030317(v52) 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	**15220.**	**2.440**	**-.1886**	**13.73**	**5.074**	**242100.**
Stddev	100.	1.020	.6437	.05	.076	619.
%RSD	.6554	41.79	341.2	.3797	1.503	.2555
#1	15110.	2.791	-.6107	13.68	4.986	241400.
#2	15310.	3.239	-.5074	13.71	5.112	242600.
#3	15230.	1.292	.5522	13.78	5.124	242200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.025**	**71.45**	**.3163**	**168.0**	**3370.**	**4779.**
Stddev	.042	.66	.2049	.5	20.	12.
%RSD	.8401	.9288	64.79	.3082	.5909	.2424
#1	5.042	70.79	.3943	167.8	3351.	4783.
#2	4.976	71.44	.4707	167.6	3367.	4788.
#3	5.055	72.12	.0838	168.6	3391.	4766.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131723-a-2-b Acquired: 4/20/2017 17:04:47 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**21070.**	**2649.**	**33630.**	**102.7**	F **-11.39**	**-.6982**
Stddev	80.	5.	161.	.7	1.34	.5607
%RSD	.3801	.1738	.4782	.6742	11.73	80.31
#1	21040.	2645.	33450.	101.9	-12.61	-1.343
#2	21170.	2654.	33710.	102.8	-11.58	-.3288
#3	21010.	2649.	33730.	103.3	-9.963	-.4223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

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	**1.372**	**-.9553**	**.1452**	**1227.**	**139.7**	**-.4083**
Stddev	1.365	1.919	.3607	4.	1.7	.1600
%RSD	99.46	200.8	248.4	.3003	1.195	39.18
#1	1.278	-3.148	.1176	1224.	137.9	-.4783
#2	.0567	-.1333	.5190	1227.	140.1	-.2253
#3	2.781	.4153	-.2009	1231.	141.2	-.5213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131723-a-2-b Acquired: 4/20/2017 17:04:47 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7707**	**423.0**	**3.668**	F **29680.**
Stddev	.5665	.7	.117	66.
%RSD	73.50	.1747	3.197	.2240
#1	.4742	422.1	3.716	29750.
#2	1.424	423.6	3.534	29620.
#3	.4141	423.1	3.754	29650.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

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	**2996.2**	**32564.**	**8359.1**
Stddev	10.0	67.	56.3
%RSD	.33509	.20662	.67326
#1	3006.9	32615.	8423.4
#2	2994.7	32488.	8318.7
#3	2986.9	32588.	8335.1

Sample Name: 460-131700-d-3-b Acquired: 4/20/2017 17:12:35 Type: Unk
Method: xin_sw030317(v52) 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	**235.4**	**1.543**	**2.124**	**131.2**	**.0072**	**108900.**
Stddev	14.9	1.852	.068	.5	.0578	385.
%RSD	6.318	120.0	3.187	.3763	807.6	.3532
#1	251.7	3.649	2.046	131.5	.0116	108500.
#2	232.1	.8137	2.154	131.5	-.0527	109100.
#3	222.5	.1675	2.171	130.6	.0626	109200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5436**	**5.543**	**.8874**	**-1.414**	**40410.**	**10480.**
Stddev	.1371	.117	.4762	.246	13.	15.
%RSD	25.21	2.119	53.66	17.40	.0319	.1455
#1	-.5459	5.619	1.428	-1.576	40400.	10470.
#2	-.6795	5.601	.5309	-1.131	40400.	10470.
#3	-.4054	5.408	.7031	-1.535	40420.	10500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131700-d-3-b Acquired: 4/20/2017 17:12:35 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**13970.**	F **12760.**	**102000.**	**2.042**	F **-25.01**	**-1.163**
Stddev	19.	24.	49.	.120	.36	.527
%RSD	.1380	.1878	.0477	5.876	1.421	45.35
#1	13960.	12770.	101900.	1.975	-24.61	-.5973
#2	13990.	12730.	102000.	2.181	-25.28	-1.251
#3	13950.	12780.	102000.	1.971	-25.15	-1.641
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		10000.			15000.	
Low Limit		-15.00			-10.00	

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	**3.282**	**2.119**	**-.1031**	**10.95**	**38.22**	**.5007**
Stddev	.954	2.761	.2505	.11	.17	.2849
%RSD	29.08	130.3	242.9	1.041	.4560	56.89
#1	3.093	1.738	.1449	10.82	38.24	.7501
#2	4.316	5.051	-.0982	11.00	38.04	.5619
#3	2.436	-.4310	-.3561	11.03	38.39	.1902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131700-d-3-b Acquired: 4/20/2017 17:12:35 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.862**	**406.1**	**4.895**	**4199.**
Stddev	.610	.5	.173	27.
%RSD	32.73	.1200	3.543	.6454
#1	1.490	406.4	5.002	4184.
#2	2.565	405.5	4.988	4230.
#3	1.531	406.3	4.695	4182.
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	**2808.4**	**30433.**	**7848.4**
Stddev	7.9	29.	54.2
%RSD	.28226	.09632	.69074
#1	2799.8	30446.	7850.1
#2	2809.9	30400.	7901.7
#3	2815.5	30454.	7793.4

Sample Name: 460-131847-e-2-a Acquired: 4/20/2017 17:20:46 Type: Unk
Method: xin_sw030317(v52) 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	**181.7**	**1.423**	**-.0363**	**473.2**	**-.0328**	**75790.**
Stddev	6.2	.908	.1076	.8	.0140	63.
%RSD	3.403	63.82	296.2	.1774	42.83	.0827
#1	188.5	1.688	.0653	472.3	-.0416	75850.
#2	180.2	2.169	-.0252	473.2	-.0166	75730.
#3	176.4	.4117	-.1491	474.0	-.0402	75790.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0277**	**-.4808**	**-.0144**	**.7471**	**20.13**	**3633.**
Stddev	.1602	.2195	.2694	.2334	4.16	43.
%RSD	579.1	45.65	1875.	31.24	20.67	1.191
#1	.1192	-.3714	-.3231	.4797	15.39	3613.
#2	-.0037	-.3376	.1070	.8520	23.20	3603.
#3	-.1986	-.7335	.1730	.9096	21.80	3682.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131847-e-2-a Acquired: 4/20/2017 17:20:46 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**16590.**	**801.0**	**81100.**	**5.168**	**-4.175**	**-.7234**
Stddev	44.	.4	68.	.194	.807	1.350
%RSD	.2668	.0552	.0843	3.746	19.32	186.6
#1	16550.	801.4	81070.	5.002	-4.037	.7106
#2	16580.	800.5	81180.	5.381	-3.447	-.9123
#3	16640.	801.2	81050.	5.122	-5.042	-1.969
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	**.2440**	**.1856**	**.4452**	**12.63**	**104.6**	**-.4919**
Stddev	1.204	1.193	.4148	.06	.9	.2107
%RSD	493.3	642.8	93.17	.5086	.8190	42.84
#1	1.310	-.7467	.6987	12.55	104.0	-.5722
#2	-1.062	1.530	-.0335	12.65	104.1	-.2528
#3	.4838	-.2264	.6705	12.68	105.5	-.6506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131847-e-2-a Acquired: 4/20/2017 17:20:46 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0753**	**261.5**	**4.691**	**7495.**
Stddev	.7112	.9	.023	47.
%RSD	944.7	.3492	.4873	.6287
#1	-.3110	261.6	4.717	7466.
#2	-.6387	262.4	4.674	7469.
#3	.7239	260.6	4.682	7549.
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	**2824.5**	**30491.**	**7838.3**
Stddev	7.5	50.	19.9
%RSD	.26568	.16461	.25393
#1	2815.9	30536.	7815.4
#2	2828.4	30501.	7848.1
#3	2829.3	30437.	7851.5

Sample Name: 460-131847-e-4-a Acquired: 4/20/2017 17:28:39 Type: Unk
Method: xin_sw030317(v52) 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	**6462.**	**5.628**	**-.0355**	**606.1**	**.0055**	**78080.**
Stddev	68.	1.368	.1633	1.9	.0625	269.
%RSD	1.057	24.31	460.3	.3096	1142.	.3446
#1	6540.	7.202	.0754	607.1	-.0416	77780.
#2	6429.	4.717	.0412	607.3	.0763	78290.
#3	6415.	4.967	-.2231	604.0	-.0183	78180.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2763**	**-.2719**	**.8110**	**2.047**	**9239.**	**3476.**
Stddev	.1228	.2381	.2874	.109	53.	17.
%RSD	44.42	87.58	35.44	5.345	.5703	.5000
#1	-.2067	-.1492	.5981	2.145	9180.	3493.
#2	-.4181	-.1202	.6968	2.066	9282.	3458.
#3	-.2042	-.5463	1.138	1.929	9254.	3478.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131847-e-4-a Acquired: 4/20/2017 17:28:39 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**16790.**	**3087.**	**71930.**	**1.720**	F **-10.79**	**-1.722**
Stddev	106.	8.	502.	.438	.96	.595
%RSD	.6299	.2654	.6978	25.43	8.914	34.56
#1	16700.	3079.	72490.	1.775	-11.75	-1.125
#2	16910.	3095.	71510.	1.258	-9.826	-1.726
#3	16770.	3089.	71790.	2.128	-10.80	-2.315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

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	**2.208**	**.0341**	**.9424**	**4.326**	**89.62**	**.0145**
Stddev	1.922	2.210	.2333	.135	.72	.2776
%RSD	87.04	6476.	24.76	3.116	.8005	1918.
#1	.6014	-1.312	1.174	4.475	88.79	.3350
#2	4.337	2.585	.9461	4.213	90.03	-.1505
#3	1.685	-1.170	.7073	4.290	90.04	-.1411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131847-e-4-a Acquired: 4/20/2017 17:28:39 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2129**	**272.0**	**4.989**	**11180.**
Stddev	.4741	1.2	.046	62.
%RSD	222.7	.4563	.9156	.5571
#1	.2742	273.4	5.004	11110.
#2	-.2890	271.6	5.025	11230.
#3	.6533	271.1	4.937	11210.
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	**2842.8**	**30855.**	**7980.3**
Stddev	8.5	83.	89.0
%RSD	.29984	.26919	1.1150
#1	2833.6	30928.	7879.1
#2	2844.4	30765.	8015.6
#3	2850.4	30872.	8046.2

Sample Name: CCB Acquired: 4/20/2017 16:01:39 Type: QC
Method: xin_sw030317(v52) 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	**11.15**	**1.450**	**.0471**	**.1461**	**.0419**	**-7.571**
Stddev	10.12	1.029	.3294	.1422	.0320	7.194
%RSD	90.74	70.95	699.8	97.29	76.26	95.02
#1	12.12	.2673	.4181	.3102	.0455	-.5652
#2	.5852	1.945	-.0660	.0609	.0083	-7.209
#3	20.76	2.138	-.2109	.0673	.0719	-14.94
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1521**	**-.3612**	**.5816**	**-.5880**	**6.473**	**18.29**
Stddev	.0626	.0949	.2182	.0822	8.280	5.74
%RSD	41.16	26.28	37.52	13.97	127.9	31.37
#1	-.1528	-.2531	.3303	-.5011	10.60	20.11
#2	-.0892	-.4309	.6918	-.5986	11.88	22.90
#3	-.2144	-.3997	.7228	-.6644	-3.060	11.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 16:01:39 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.4000**	**.0062**	**-10.21**	**.0453**	**-.3197**	**.9114**
Stddev	6.839	.0729	5.87	.1152	.1049	.4290
%RSD	1709.	1169.	57.48	254.5	32.81	47.07
#1	2.700	.0879	-3.692	.1448	-.4210	1.380
#2	5.792	-.0172	-15.07	.0720	-.2115	.8148
#3	-7.292	-.0521	-11.87	-.0810	-.3266	.5389
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	**.0175**	**-.4667**	**.5012**	**.2779**	**-.1304**	**.7396**
Stddev	2.493	.5891	.3529	.0624	.8592	.5882
%RSD	14270.	126.2	70.42	22.45	658.6	79.52
#1	.2863	.2132	.5531	.3367	.8614	1.259
#2	-2.599	-.8262	.8253	.2843	-.6436	.8582
#3	2.365	-.7870	.1252	.2125	-.6091	.1012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 16:01:39 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2749**	**.0115**	**.3257**	**10.87**
Stddev	.2115	.0890	.2917	13.14
%RSD	76.94	774.6	89.54	120.9
#1	.5093	.1143	.6613	-4.212
#2	.2172	-.0380	.1826	19.83
#3	.0983	-.0418	.1333	16.99
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	**2956.0**	**32029.**	**7803.0**
Stddev	7.8	31.	78.1
%RSD	.26282	.09827	1.0011
#1	2962.9	32003.	7712.9
#2	2957.6	32064.	7845.1
#3	2947.6	32019.	7851.1

Sample Name: CCVL Acquired: 4/20/2017 16:05:40 Type: QC
Method: xin_sw030317(v52) 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	**221.6**	**16.63**	**9.668**	**213.5**	**2.076**	**5159.**
Stddev	7.8	1.40	.442	.6	.145	10.
%RSD	3.506	8.442	4.572	.2705	7.009	.1974
#1	227.3	15.21	9.992	212.9	1.990	5156.
#2	212.7	16.66	9.164	213.6	2.244	5151.
#3	224.7	18.01	9.846	214.1	1.995	5170.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.177**	**53.49**	**10.79**	**24.49**	**167.5**	**4858.**
Stddev	.048	.38	.13	.09	3.7	27.
%RSD	1.143	.7146	1.161	.3657	2.230	.5648
#1	4.126	53.08	10.71	24.55	169.3	4827.
#2	4.185	53.55	10.93	24.53	169.9	4880.
#3	4.221	53.84	10.72	24.38	163.2	4867.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 16:05:40 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5017.**	**15.97**	**4944.**	**43.78**	**9.382**	**20.50**
Stddev	30.	.13	19.	.55	2.569	.52
%RSD	.5912	.8354	.3822	1.258	27.38	2.519
#1	4984.	15.83	4949.	43.19	12.29	20.00
#2	5025.	16.00	4959.	44.29	8.450	21.04
#3	5042.	16.09	4923.	43.87	7.410	20.47
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	**21.65**	**22.73**	**51.55**	**31.86**	**50.34**	**20.77**
Stddev	.71	.34	.82	.13	.69	.13
%RSD	3.300	1.502	1.592	.4149	1.368	.6458
#1	21.11	22.35	52.47	31.77	50.66	20.66
#2	21.37	23.02	50.89	32.01	50.82	20.92
#3	22.46	22.82	51.31	31.79	49.55	20.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 16:05:40 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**51.96**	**20.87**	**22.11**	F **13.36**
Stddev	.97	.08	.29	7.08
%RSD	1.867	.3745	1.295	52.96
#1	50.85	20.79	21.78	16.51
#2	52.64	20.87	22.26	18.31
#3	52.40	20.95	22.30	5.257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2948.3**	**31963.**	**7850.3**
Stddev	2.0	14.	43.8
%RSD	.06802	.04397	.55780
#1	2950.6	31960.	7868.2
#2	2946.7	31951.	7800.4
#3	2947.7	31979.	7882.4

Sample Name: lcs 460-431672/2-a Acquired: 4/20/2017 16:13:40 Type: QC
Method: xin_sw030317(v52) 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	**2122.**	**2004.**	**48.92**	**2120.**	**51.76**	**20450.**
Stddev	16.	3.	.57	2.	.29	52.
%RSD	.7603	.1710	1.162	.1021	.5674	.2543
#1	2124.	2003.	49.56	2122.	51.89	20420.
#2	2106.	2001.	48.48	2120.	51.42	20510.
#3	2138.	2007.	48.70	2118.	51.96	20420.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.25**	**529.4**	**211.4**	**251.0**	**1042.**	**19590.**
Stddev	.08	.9	2.2	1.4	9.	69.
%RSD	.1575	.1770	1.057	.5490	.8680	.3530
#1	52.25	529.8	212.4	251.2	1053.	19570.
#2	52.17	530.1	212.9	252.4	1037.	19540.
#3	52.34	528.3	208.8	249.6	1037.	19670.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-431672/2-a Acquired: 4/20/2017 16:13:40 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**20230.**	**524.5**	**20210.**	**540.8**	**505.4**	**481.9**
Stddev	63.	.9	86.	.4	1.3	3.1
%RSD	.3109	.1623	.4278	.0831	.2507	.6374
#1	20280.	524.5	20210.	540.8	506.8	484.2
#2	20260.	525.3	20130.	540.4	504.3	483.1
#3	20160.	523.6	20300.	541.3	505.1	478.4
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.**	**2154.**	**517.5**	**531.1**	**513.2**	**524.0**
Stddev	7.	10.	1.8	2.1	2.3	2.2
%RSD	.3380	.4500	.3516	.3948	.4411	.4251
#1	2031.	2157.	515.6	533.3	512.6	524.6
#2	2035.	2162.	519.2	530.9	515.6	525.8
#3	2021.	2144.	517.7	529.1	511.2	521.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: lcs 460-431672/2-a Acquired: 4/20/2017 16:13:40 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**526.5**	**517.7**	**534.7**	**63.09**
Stddev	.9	1.9	1.0	5.78
%RSD	.1779	.3575	.1823	9.164
#1	527.6	518.7	535.8	69.60
#2	526.0	515.5	534.6	58.54
#3	526.0	518.7	533.8	61.13
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	**2884.1**	**31319.**	**7735.8**
Stddev	7.5	58.	30.6
%RSD	.26030	.18403	.39503
#1	2875.9	31273.	7730.9
#2	2890.7	31301.	7768.5
#3	2885.6	31384.	7708.0

Sample Name: 460-131030-d-1-a Acquired: 4/20/2017 18:04:00 Type: Unk
Method: xin_sw030317(v52) 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	**741.9**	**1.152**	**-.0812**	**52.13**	**.0715**	**16440.**
Stddev	5.9	.674	.1679	.27	.0387	36.
%RSD	.7950	58.51	206.8	.5086	54.18	.2213
#1	736.5	.3965	-.0094	52.25	.0604	16470.
#2	741.1	1.367	-.2730	51.83	.1146	16460.
#3	748.2	1.692	.0389	52.31	.0395	16400.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0283**	**.3155**	**1.867**	**1.013**	**1305.**	**2146.**
Stddev	.1448	.1592	.117	.157	10.	18.
%RSD	512.5	50.48	6.265	15.50	.7918	.8320
#1	-.0854	.2734	1.792	.8320	1294.	2143.
#2	-.1358	.4915	2.002	1.097	1308.	2165.
#3	.1364	.1814	1.807	1.110	1314.	2129.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-d-1-a Acquired: 4/20/2017 18:04:00 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2851.**	**45.57**	**32650.**	**7.794**	**.1261**	**.5002**
Stddev	14.	.10	81.	.048	.1321	1.160
%RSD	.4930	.2184	.2483	.6122	104.7	231.9
#1	2835.	45.47	32740.	7.848	.0235	.7207
#2	2859.	45.67	32590.	7.762	.0797	-.7542
#3	2859.	45.58	32600.	7.770	.2751	1.534
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	**.1882**	**-.2136**	**1.849**	**6.694**	**16.88**	**-.3256**
Stddev	.5575	1.963	.380	.237	.46	.0544
%RSD	296.3	919.1	20.54	3.549	2.718	16.70
#1	-.0254	.9629	2.137	6.774	17.33	-.2638
#2	.8209	.8759	1.993	6.427	16.89	-.3470
#3	-.2310	-2.480	1.419	6.881	16.41	-.3660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-d-1-a Acquired: 4/20/2017 18:04:00 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3249**	**88.66**	**42.60**	**2946.**
Stddev	.1478	.38	1.01	22.
%RSD	45.48	.4341	2.366	.7373
#1	.3965	88.51	42.84	2922.
#2	.1550	88.38	41.49	2957.
#3	.4232	89.10	43.47	2961.
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	**2933.9**	**31407.**	**7950.1**
Stddev	4.2	77.	10.0
%RSD	.14301	.24426	.12551
#1	2930.9	31339.	7938.6
#2	2932.1	31391.	7956.3
#3	2938.7	31490.	7955.3

Sample Name: 460-131839-d-14-a Acquired: 4/20/2017 18:11:58 Type: Unk
Method: xin_sw030317(v52) 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	**13.96**	**.4585**	**-.2342**	**.0537**	**-.0014**	**-10.37**
Stddev	5.92	1.269	.2834	.0746	.1245	7.24
%RSD	42.38	276.8	121.0	138.9	9053.	69.76
#1	18.94	-.5182	.0473	-.0323	-.0341	-4.398
#2	7.420	1.893	-.2306	.0934	.1362	-18.42
#3	15.52	.0004	-.5194	.1001	-.1063	-8.305
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0637**	**-.1703**	**.3736**	**-.8442**	**8.405**	**34.10**
Stddev	.0694	.1785	.1509	.2610	8.529	11.92
%RSD	109.0	104.8	40.39	30.91	101.5	34.96
#1	-.0529	-.0232	.3876	-.5588	16.01	22.48
#2	-.0003	-.3689	.5171	-.9032	10.02	33.52
#3	-.1379	-.1189	.2162	-1.071	-.8177	46.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131839-d-14-a Acquired: 4/20/2017 18:11:58 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5.162**	**.0294**	**36.04**	**-.1982**	**.3926**	**.6740**
Stddev	3.417	.0337	6.10	.1609	.1597	.3806
%RSD	66.18	114.7	16.92	81.15	40.68	56.47
#1	6.543	.0400	30.53	-.0496	.2085	.3665
#2	1.272	.0566	34.98	-.1760	.4944	.5558
#3	7.673	-.0084	42.59	-.3690	.4750	1.100
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	**4.376**	**-.7015**	**.4870**	**1.830**	**1.436**	**-.2650**
Stddev	1.805	1.491	.3410	.197	.058	.0881
%RSD	41.24	212.6	70.03	10.75	4.013	33.26
#1	6.335	-2.103	.1977	1.958	1.401	-.3665
#2	4.012	.8658	.4002	1.928	1.405	-.2209
#3	2.781	-.8670	.8629	1.603	1.503	-.2076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131839-d-14-a Acquired: 4/20/2017 18:11:58 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.2909**	**.0141**	**-.2549**	**40.16**
Stddev	.7702	.0300	.1532	7.47
%RSD	264.8	212.8	60.11	18.60
#1	-.4141	-.0161	-.2805	48.70
#2	-.9921	.0145	-.3937	36.97
#3	.5335	.0438	-.0905	34.82
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	**2939.1**	**31999.**	**7952.1**
Stddev	10.5	75.	29.9
%RSD	.35759	.23292	.37613
#1	2944.6	31970.	7937.8
#2	2927.0	31943.	7986.5
#3	2945.7	32083.	7932.1

Sample Name: CCB Acquired: 4/20/2017 18:19:43 Type: QC
Method: xin_sw030317(v52) 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	**1.708**	**.4565**	**.1543**	**.1095**	**-.0134**	**-20.79**
Stddev	7.353	1.418	.0846	.0919	.0446	1.69
%RSD	430.6	310.7	54.81	83.93	332.3	8.106
#1	9.952	-1.176	.0575	.2149	.0376	-19.12
#2	-4.174	1.385	.2137	.0665	-.0334	-22.49
#3	-.6543	1.160	.1917	.0470	-.0444	-20.75
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0735**	**-.2164**	**.1870**	**-.7792**	**.5423**	**65.36**
Stddev	.0075	.0436	.2730	.1543	10.07	3.18
%RSD	10.14	20.15	145.9	19.80	1857.	4.868
#1	-.0687	-.2584	-.1223	-.7439	8.761	65.82
#2	-.0698	-.2194	.3941	-.6457	3.557	61.97
#3	-.0821	-.1713	.2892	-.9481	-10.69	68.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 18:19:43 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2.503**	**.0392**	**14.00**	**-.1561**	**.1073**	**.9676**
Stddev	.875	.0908	8.07	.1437	.7818	1.316
%RSD	34.96	231.7	57.65	92.02	728.3	136.0
#1	1.510	.1423	18.89	-.2997	.9141	-.4312
#2	3.159	.0040	18.42	-.1563	.0548	2.181
#3	2.840	-.0287	4.684	-.0124	-.6468	1.153
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	**-.4506**	**-1.605**	**.5784**	**.1312**	**.3050**	**.5750**
Stddev	1.855	1.223	.4331	.1151	.3952	.6723
%RSD	411.6	76.20	74.88	87.79	129.6	116.9
#1	1.393	-2.229	.9833	.1771	.7608	1.341
#2	-2.316	-.1959	.6302	.2162	.0947	.3015
#3	-.4297	-2.391	.1218	.0001	.0595	.0826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 18:19:43 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6361**	**.0493**	**.4713**	**8.943**
Stddev	.5651	.0759	.3398	4.413
%RSD	88.85	153.8	72.12	49.34
#1	.1217	.1295	.8612	10.17
#2	1.241	.0398	.3141	12.61
#3	.5455	-.0213	.2384	4.047
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	**2918.3**	**31806.**	**7920.0**
Stddev	9.0	77.	23.1
%RSD	.30734	.24221	.29114
#1	2907.9	31751.	7893.9
#2	2923.7	31773.	7937.7
#3	2923.2	31894.	7928.5

Sample Name: 460-131844-e-1-a Acquired: 4/20/2017 16:21:24 Type: Unk
Method: xin_sw030317(v52) 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	**401.2**	**11.82**	**-.1731**	**71.97**	**.0459**	**119200.**
Stddev	18.0	1.21	.4092	.22	.0356	721.
%RSD	4.478	10.24	236.4	.3066	77.47	.6047
#1	416.4	10.66	-.6443	72.21	.0397	118600.
#2	381.4	13.08	.0326	71.94	.0842	120000.
#3	405.8	11.73	.0925	71.77	.0139	119000.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0446**	**-.2585**	**36.55**	**18.06**	**153.6**	**24000.**
Stddev	.1021	.1835	.68	.47	5.5	48.
%RSD	229.1	70.97	1.853	2.606	3.597	.1981
#1	-.1466	-.4113	35.92	17.58	148.8	23960.
#2	.0576	-.3091	37.27	18.52	159.6	24050.
#3	-.0448	-.0550	36.46	18.09	152.3	23990.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131844-e-1-a Acquired: 4/20/2017 16:21:24 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**28360.**	**19.35**	F **628700.**	**2.676**	**-.6410**	**19.78**
Stddev	79.	.08	13790.	.148	.8386	1.93
%RSD	.2799	.4305	2.193	5.535	130.8	9.743
#1	28340.	19.40	644100.	2.513	-.3075	21.55
#2	28440.	19.40	624400.	2.802	-.0204	20.06
#3	28280.	19.25	617600.	2.713	-1.595	17.73
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	**8.287**	**-1.369**	**14.22**	**12.62**	**261.7**	**40.83**
Stddev	1.968	.430	.12	.19	.9	.10
%RSD	23.74	31.39	.8652	1.481	.3584	.2554
#1	10.49	-.8874	14.27	12.66	261.2	40.80
#2	7.658	-1.713	14.31	12.79	261.2	40.74
#3	6.711	-1.507	14.08	12.42	262.8	40.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131844-e-1-a Acquired: 4/20/2017 16:21:24 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3243**	**1032.**	**11.03**	**4684.**
Stddev	.2056	4.	1.81	9.
%RSD	63.40	.3818	16.37	.2016
#1	.4740	1033.	10.36	4687.
#2	.4090	1028.	9.654	4673.
#3	.0899	1035.	13.07	4692.
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	**2689.9**	**28513.**	**7569.8**
Stddev	5.5	126.	27.5
%RSD	.20388	.44357	.36339
#1	2689.6	28620.	7578.1
#2	2684.5	28374.	7539.2
#3	2695.5	28546.	7592.3

Sample Name: SD 460-131844-e-1-a Acquired: 4/20/2017 16:25:28 Type: Unk
Method: xin_sw030317(v52) 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	**86.20**	**3.168**	**-.1249**	**13.84**	**-.0178**	**22110.**
Stddev	7.01	1.436	.6265	.06	.0466	87.
%RSD	8.128	45.34	501.7	.4001	260.9	.3954
#1	94.18	1.517	-.5308	13.78	-.0336	22040.
#2	81.08	4.126	-.4404	13.88	-.0545	22210.
#3	83.34	3.862	.5966	13.87	.0346	22100.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0114**	**-.3197**	**7.423**	**2.971**	**27.44**	**4460.**
Stddev	.1253	.1100	.133	.184	5.02	37.
%RSD	1102.	34.41	1.797	6.180	18.29	.8205
#1	.0909	-.3253	7.278	3.061	33.24	4470.
#2	-.1330	-.4267	7.541	2.760	24.59	4419.
#3	.0763	-.2069	7.450	3.092	24.49	4491.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: SD 460-131844-e-1-a Acquired: 4/20/2017 16:25:28 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5577.**	**3.671**	**120500.**	**.7225**	**.1962**	**2.978**
Stddev	11.	.030	536.	.2404	1.309	1.200
%RSD	.2033	.8083	.4444	33.27	667.6	40.28
#1	5566.	3.654	120200.	.9997	1.650	1.616
#2	5576.	3.654	120200.	.5703	-.8907	3.878
#3	5589.	3.706	121100.	.5977	-.1708	3.441
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	**.4104**	**-1.205**	**2.538**	**3.451**	**49.52**	**7.507**
Stddev	2.547	.873	.174	.127	.39	.052
%RSD	620.5	72.47	6.853	3.673	.7945	.6909
#1	-.3249	-2.213	2.638	3.308	49.15	7.453
#2	-1.688	-.6755	2.638	3.496	49.48	7.511
#3	3.244	-.7265	2.337	3.549	49.93	7.557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: SD 460-131844-e-1-a Acquired: 4/20/2017 16:25:28 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0347**	**193.7**	**3.865**	**850.9**
Stddev	.2287	.7	.195	6.1
%RSD	659.9	.3450	5.037	.7147
#1	-.2961	193.2	3.752	857.4
#2	.1285	193.3	4.090	850.0
#3	.0636	194.4	3.754	845.3
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	**2868.5**	**30763.**	**7858.9**
Stddev	4.8	105.	62.7
%RSD	.16868	.34185	.79784
#1	2868.6	30682.	7815.5
#2	2863.5	30725.	7930.8
#3	2873.2	30882.	7830.3

Sample Name: PDS 460-131844-e-1-a Acquired: 4/20/2017 16:33:26 Type: Unk
Method: xin_sw030317(v52) 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	**2455.**	**2136.**	**51.68**	**2149.**	**50.82**	**136300.**
Stddev	8.	8.	.74	2.	.49	407.
%RSD	.3081	.3612	1.435	.1061	.9561	.2983
#1	2463.	2134.	51.43	2147.	50.48	136600.
#2	2451.	2145.	52.52	2148.	50.60	136400.
#3	2449.	2130.	51.10	2152.	51.37	135800.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.65**	**509.1**	**244.7**	**277.7**	**1147.**	**43710.**
Stddev	.17	.9	2.0	3.4	2.	122.
%RSD	.3378	.1711	.8204	1.212	.1936	.2787
#1	50.47	508.9	246.5	279.2	1145.	43580.
#2	50.69	510.1	245.2	280.1	1145.	43710.
#3	50.80	508.4	242.6	273.9	1149.	43830.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: PDS 460-131844-e-1-a Acquired: 4/20/2017 16:33:26 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**47710.**	**532.5**	F **629300.**	**520.3**	**481.3**	**512.1**
Stddev	68.	.2	4541.	.3	1.5	1.2
%RSD	.1432	.0448	.7216	.0517	.3041	.2347
#1	47770.	532.8	625900.	520.2	482.9	510.7
#2	47720.	532.3	627600.	520.1	481.1	512.5
#3	47630.	532.5	634400.	520.6	480.0	513.0
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	**2152.**	**1966.**	**535.3**	**534.9**	**781.1**	**566.3**
Stddev	4.	7.	1.8	.5	.7	1.0
%RSD	.2051	.3363	.3437	.0934	.0876	.1787
#1	2150.	1962.	536.8	535.4	780.5	565.2
#2	2157.	1974.	535.8	535.0	781.8	567.2
#3	2150.	1962.	533.2	534.4	781.0	566.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: PDS 460-131844-e-1-a Acquired: 4/20/2017 16:33:26 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**519.4**	**1517.**	**550.6**	**4668.**
Stddev	1.1	3.	1.6	49.
%RSD	.2105	.2061	.2822	1.050
#1	518.3	1513.	552.4	4655.
#2	519.2	1518.	550.0	4722.
#3	520.5	1519.	549.4	4626.
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	**2686.6**	**28668.**	**7689.2**
Stddev	4.4	42.	30.6
%RSD	.16339	.14730	.39839
#1	2685.5	28624.	7717.9
#2	2682.9	28672.	7692.8
#3	2691.5	28708.	7656.9

Sample Name: 460-131721-a-1-b Acquired: 4/20/2017 16:41:16 Type: Unk
Method: xin_sw030317(v52) 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	**715.3**	**2.550**	**-.1670**	**20.91**	**.1756**	**132000.**
Stddev	12.8	.093	.2888	.09	.0201	311.
%RSD	1.786	3.647	172.9	.4309	11.43	.2359
#1	720.8	2.625	-.1172	20.82	.1533	132000.
#2	700.7	2.578	-.4775	21.00	.1923	131600.
#3	724.4	2.446	.0936	20.91	.1810	132300.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.439**	**15.59**	**.3588**	**11.64**	**257.0**	**15850.**
Stddev	.041	.40	.5197	.18	3.7	72.
%RSD	2.864	2.570	144.9	1.573	1.452	.4530
#1	1.480	15.13	-.2314	11.85	252.7	15860.
#2	1.439	15.80	.7479	11.54	258.6	15920.
#3	1.397	15.85	.5597	11.54	259.6	15770.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131721-a-1-b Acquired: 4/20/2017 16:41:16 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**93510.**	**872.8**	**39980.**	**16.38**	**-5.965**	**.3891**
Stddev	490.	2.8	185.	.36	.814	.2519
%RSD	.5235	.3231	.4618	2.226	13.65	64.74
#1	93690.	873.6	40140.	16.66	-5.061	.3226
#2	92950.	869.6	40030.	15.97	-6.193	.6676
#3	93880.	875.1	39780.	16.52	-6.641	.1771
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	**2.854**	**-.3206**	**.5314**	**811.4**	**209.4**	**1.733**
Stddev	1.176	.8800	.2456	6.2	.5	.124
%RSD	41.19	274.5	46.22	.7644	.2603	7.145
#1	3.980	-1.037	.7604	818.5	209.8	1.686
#2	1.634	-.5867	.5618	807.1	208.8	1.641
#3	2.948	.6618	.2720	808.5	209.6	1.874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131721-a-1-b Acquired: 4/20/2017 16:41:16 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.1260**	**817.4**	**4.686**	**10520.**
Stddev	.7242	2.8	.075	92.
%RSD	574.6	.3445	1.605	.8724
#1	.6722	817.7	4.641	10420.
#2	-.3092	820.0	4.645	10600.
#3	-.7411	814.4	4.773	10560.
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	**2806.9**	**30630.**	**7828.5**
Stddev	7.8	149.	51.6
%RSD	.27615	.48788	.65920
#1	2798.2	30471.	7771.5
#2	2809.3	30768.	7841.9
#3	2813.2	30651.	7872.1

Sample Name: CCV Acquired: 4/20/2017 16:49:03 Type: QC
Method: xin_sw030317(v52) 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	**127200.**	**2581.**	**1291.**	**10480.**	**1002.**	**127000.**
Stddev	796.	4.	5.	7.	8.	466.
%RSD	.6260	.1569	.4132	.0670	.7489	.3666
#1	128100.	2585.	1294.	10480.	1010.	127300.
#2	126600.	2582.	1294.	10480.	994.6	127300.
#3	126800.	2577.	1285.	10470.	1002.	126500.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1287.**	**2559.**	**5180.**	**12890.**	**105300.**	**49310.**
Stddev	2.	1.	27.	23.	701.	247.
%RSD	.1519	.0491	.5266	.1776	.6657	.5018
#1	1289.	2558.	5199.	12890.	105800.	49570.
#2	1285.	2558.	5192.	12910.	105600.	49070.
#3	1286.	2560.	5149.	12870.	104500.	49290.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 16:49:03 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**127800.**	**5145.**	**127500.**	**2618.**	**7879.**	**1013.**
Stddev	641.	17.	757.	3.	13.	2.
%RSD	.5017	.3248	.5935	.1194	.1595	.2015
#1	128200.	5154.	128400.	2618.	7893.	1012.
#2	128100.	5156.	127000.	2621.	7872.	1016.
#3	127100.	5126.	127200.	2615.	7872.	1013.
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	**2611.**	**2572.**	**2539.**	**2510.**	**1052.**	**2597.**
Stddev	8.	7.	7.	4.	1.	1.
%RSD	.2912	.2671	.2847	.1405	.1306	.0527
#1	2607.	2578.	2541.	2514.	1051.	2596.
#2	2620.	2574.	2546.	2507.	1053.	2597.
#3	2606.	2564.	2531.	2509.	1051.	2598.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 16:49:03 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1037.**	**5102.**	**10650.**	**10080.**
Stddev	3.	64.	27.	64.
%RSD	.3241	1.263	.2517	.6323
#1	1038.	5153.	10660.	10010.
#2	1033.	5124.	10670.	10140.
#3	1039.	5030.	10620.	10080.
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	**2732.1**	**29780.**	**7711.0**
Stddev	6.4	62.	76.9
%RSD	.23467	.20707	.99709
#1	2725.4	29719.	7623.0
#2	2732.8	29779.	7765.6
#3	2738.2	29843.	7744.3

Sample Name: CCVL Acquired: 4/20/2017 16:56:51 Type: QC
Method: xin_sw030317(v52) 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	**234.8**	**16.44**	**9.938**	**219.3**	**2.121**	**5246.**
Stddev	7.4	.63	.513	.1	.064	25.
%RSD	3.136	3.858	5.165	.0311	3.026	.4760
#1	230.2	15.71	9.549	219.2	2.195	5217.
#2	243.3	16.77	9.746	219.3	2.089	5261.
#3	230.9	16.85	10.52	219.3	2.080	5260.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.263**	**54.70**	**10.96**	**24.97**	**164.5**	**4966.**
Stddev	.036	.18	.15	.37	6.1	20.
%RSD	.8364	.3208	1.360	1.473	3.703	.3967
#1	4.225	54.76	10.80	24.59	157.6	4947.
#2	4.296	54.50	11.09	25.00	169.3	4987.
#3	4.269	54.83	10.99	25.33	166.6	4964.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 16:56:51 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5200.**	**16.29**	**5047.**	**45.18**	**11.07**	**19.89**
Stddev	38.	.05	13.	.21	1.37	.93
%RSD	.7218	.2885	.2669	.4751	12.35	4.677
#1	5157.	16.31	5061.	44.95	10.34	20.83
#2	5218.	16.33	5035.	45.38	10.23	18.97
#3	5225.	16.24	5043.	45.22	12.65	19.86
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	**21.55**	**23.36**	**52.68**	**31.86**	**52.67**	**21.12**
Stddev	.58	1.49	.52	.40	.40	.11
%RSD	2.691	6.392	.9841	1.253	.7553	.5295
#1	21.06	25.05	52.12	31.46	52.58	21.00
#2	22.19	22.24	53.15	32.26	52.32	21.14
#3	21.40	22.78	52.76	31.87	53.10	21.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 16:56:51 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**53.53**	**21.06**	**23.01**	F **15.02**
Stddev	.27	.05	.35	5.24
%RSD	.4975	.2175	1.501	34.90
#1	53.26	21.01	22.62	10.29
#2	53.53	21.05	23.27	20.65
#3	53.79	21.11	23.14	14.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2904.9**	**31482.**	**7822.6**
Stddev	8.8	202.	33.7
%RSD	.30368	.64317	.43065
#1	2907.1	31709.	7820.9
#2	2912.3	31320.	7857.1
#3	2895.1	31416.	7789.8

Sample Name: 460-131723-a-1-b Acquired: 4/20/2017 17:00:50 Type: Unk
Method: xin_sw030317(v52) 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	**175.6**	**-.1767**	**-.2003**	**25.17**	**-.0271**	**79870.**
Stddev	9.2	1.162	.2577	.06	.0470	246.
%RSD	5.253	657.7	128.6	.2435	173.9	.3084
#1	181.5	1.131	-.0562	25.24	-.0315	80150.
#2	180.5	-1.093	-.0469	25.13	-.0717	79770.
#3	165.0	-.5686	-.4979	25.14	.0221	79690.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0875**	**.8858**	**.2869**	**7.900**	**-30.81**	**5356.**
Stddev	.0823	.0332	.5148	.214	12.60	19.
%RSD	94.07	3.744	179.4	2.713	40.88	.3489
#1	.0521	.9221	.5114	7.659	-24.32	5377.
#2	.0288	.8571	-.3020	8.070	-22.78	5347.
#3	.1817	.8782	.6513	7.972	-45.33	5343.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131723-a-1-b Acquired: 4/20/2017 17:00:50 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**38690.**	**169.0**	**26490.**	**4.345**	**-4.906**	**-.6511**
Stddev	89.	.5	75.	.320	.900	1.399
%RSD	.2309	.3193	.2844	7.365	18.34	214.9
#1	38770.	169.4	26580.	4.103	-5.746	-.4952
#2	38690.	168.4	26430.	4.224	-5.017	-2.122
#3	38590.	169.3	26470.	4.707	-3.956	.6637
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	**2.013**	**-1.540**	**1.379**	**24.84**	**106.5**	**-.1048**
Stddev	.534	1.041	.432	.20	.4	.1051
%RSD	26.53	67.61	31.33	.7857	.4034	100.3
#1	1.575	-2.415	1.139	24.62	106.8	-.0790
#2	1.855	-1.815	1.877	24.99	106.0	-.2204
#3	2.607	-.3886	1.120	24.92	106.7	-.0149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131723-a-1-b Acquired: 4/20/2017 17:00:50 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.0179**	**163.0**	**4.560**	**8659.**
Stddev	.3689	.3	.104	35.
%RSD	2055.	.2009	2.283	.4012
#1	.1539	163.3	4.509	8619.
#2	-.4414	162.9	4.490	8676.
#3	.2336	162.6	4.679	8683.
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	**2827.1**	**30768.**	**7755.5**
Stddev	7.4	106.	25.6
%RSD	.26309	.34606	.32973
#1	2818.6	30653.	7726.1
#2	2830.6	30786.	7767.4
#3	2832.2	30864.	7772.9

Sample Name: 460-131723-a-3-b Acquired: 4/20/2017 17:08:38 Type: Unk
Method: xin_sw030317(v52) 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	**233.2**	**.3785**	**-.2646**	**35.17**	**.0207**	**116100.**
Stddev	8.5	1.144	.4044	.09	.0572	300.
%RSD	3.663	302.4	152.9	.2697	277.1	.2583
#1	226.6	.8114	.1264	35.07	.0494	115700.
#2	242.8	-.9192	-.6812	35.19	.0578	116200.
#3	230.1	1.243	-.2389	35.26	-.0453	116200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0396**	**1.392**	**-.5279**	**4.464**	**-21.72**	**4674.**
Stddev	.1437	.118	.0805	.115	9.92	36.
%RSD	362.9	8.480	15.25	2.576	45.67	.7598
#1	.1058	1.406	-.4829	4.432	-27.35	4678.
#2	-.0429	1.268	-.6209	4.591	-27.53	4637.
#3	-.1817	1.503	-.4800	4.368	-10.27	4707.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131723-a-3-b Acquired: 4/20/2017 17:08:38 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**45800.**	**1243.**	**32360.**	**1.529**	**-4.370**	**-.1413**
Stddev	203.	4.	7.	.602	.488	.6962
%RSD	.4427	.3044	.0225	39.36	11.18	492.9
#1	45570.	1239.	32360.	2.216	-4.831	-.2334
#2	45940.	1246.	32360.	1.281	-3.858	-.7868
#3	45890.	1244.	32370.	1.091	-4.421	.5965
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	**8.298**	**.0275**	**.5997**	**31.55**	**133.7**	**.0090**
Stddev	4.477	1.165	.1593	.31	1.0	.2309
%RSD	53.95	4233.	26.57	.9713	.7305	2568.
#1	8.126	1.299	.5522	31.24	132.6	-.2575
#2	3.910	-.9889	.4695	31.57	134.3	.1346
#3	12.86	-.2278	.7773	31.85	134.2	.1499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131723-a-3-b Acquired: 4/20/2017 17:08:38 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4250**	**469.7**	**4.683**	**5267.**
Stddev	.2118	1.7	.149	37.
%RSD	49.83	.3527	3.191	.6987
#1	.1957	468.1	4.850	5298.
#2	.6132	469.4	4.636	5226.
#3	.4662	471.4	4.563	5277.
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	**2810.6**	**30612.**	**7828.6**
Stddev	9.2	80.	21.9
%RSD	.32772	.26047	.28003
#1	2800.2	30700.	7804.3
#2	2813.8	30544.	7834.4
#3	2817.8	30592.	7847.0

Sample Name: 460-131700-d-4-b Acquired: 4/20/2017 17:16:40 Type: Unk
Method: xin_sw030317(v52) 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	**341.9**	**1.190**	**-.3662**	**268.0**	**.0801**	**165300.**
Stddev	16.1	.616	.3709	.3	.0519	224.
%RSD	4.698	51.76	101.3	.0979	64.77	.1353
#1	337.0	1.430	-.5966	267.7	.1381	165300.
#2	328.9	.4904	.0616	268.1	.0643	165500.
#3	359.9	1.650	-.5637	268.2	.0379	165100.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0182**	**-.2340**	**-.0993**	**1.883**	**276.9**	**26380.**
Stddev	.0364	.1640	.2586	.052	8.6	103.
%RSD	200.1	70.09	260.4	2.759	3.115	.3897
#1	-.0522	-.0625	-.0279	1.932	271.4	26430.
#2	.0202	-.3893	.1160	1.888	272.4	26260.
#3	-.0226	-.2503	-.3862	1.828	286.8	26450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131700-d-4-b Acquired: 4/20/2017 17:16:40 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**31530.**	**61.08**	**179200.**	**1.194**	**-2.161**	**.0936**
Stddev	7.	.75	2202.	.406	1.290	.1199
%RSD	.0229	1.234	1.229	33.97	59.66	128.1
#1	31530.	60.55	179700.	1.655	-1.504	.1222
#2	31530.	60.73	181100.	.8927	-1.333	-.0380
#3	31520.	61.94	176800.	1.034	-3.647	.1966
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	**1.862**	**-.4350**	**.7027**	**4.146**	**98.23**	**-.3113**
Stddev	1.639	1.860	.3034	.302	.19	.0119
%RSD	88.03	427.6	43.18	7.276	.1899	3.810
#1	2.471	1.654	.3532	4.455	98.33	-.3063
#2	3.111	-1.047	.8559	3.852	98.34	-.3248
#3	.0058	-1.912	.8990	4.130	98.01	-.3027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131700-d-4-b Acquired: 4/20/2017 17:16:40 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.1576**	**803.2**	**5.632**	**4184.**
Stddev	.6448	2.1	.245	66.
%RSD	409.1	.2670	4.353	1.584
#1	.3353	804.3	5.371	4167.
#2	-.5574	800.7	5.669	4128.
#3	.6948	804.6	5.857	4257.
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	**2760.1**	**29880.**	**7802.4**
Stddev	11.8	51.	32.6
%RSD	.42775	.17008	.41833
#1	2746.6	29838.	7772.6
#2	2768.4	29864.	7797.3
#3	2765.4	29937.	7837.3

Sample Name: 460-131847-e-3-a Acquired: 4/20/2017 17:24:43 Type: Unk
Method: xin_sw030317(v52) 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	**251.8**	**2.028**	**.1970**	**502.0**	**.0668**	**75950.**
Stddev	17.8	1.414	.2336	.6	.0750	161.
%RSD	7.084	69.72	118.6	.1104	112.3	.2122
#1	236.0	.4325	.4409	502.6	-.0140	75960.
#2	248.1	2.527	.1749	501.8	.1342	75780.
#3	271.1	3.125	-.0248	501.6	.0801	76100.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0031**	**-.3773**	**.9311**	**-.1493**	**37.64**	**3641.**
Stddev	.0240	.2818	.2373	.3244	4.61	19.
%RSD	773.6	74.69	25.48	217.4	12.23	.5147
#1	.0029	-.2934	.7697	-.2110	41.56	3623.
#2	.0272	-.1470	.8201	-.4384	38.81	3642.
#3	-.0208	-.6915	1.203	.2016	32.57	3660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131847-e-3-a Acquired: 4/20/2017 17:24:43 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**16560.**	**2135.**	**81360.**	**2.382**	**-7.476**	**.2640**
Stddev	38.	3.	161.	.411	.531	.9053
%RSD	.2278	.1278	.1974	17.25	7.100	342.9
#1	16590.	2135.	81520.	2.733	-7.581	1.295
#2	16520.	2132.	81360.	2.484	-7.946	-.0993
#3	16560.	2137.	81190.	1.930	-6.901	-.4032
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	**2.033**	**.3425**	**.4064**	**9.014**	**95.46**	**-.1879**
Stddev	2.162	2.074	.1559	.158	.51	.1040
%RSD	106.3	605.5	38.35	1.754	.5361	55.35
#1	4.053	2.548	.4301	9.100	94.89	-.2876
#2	-.2473	.0486	.2401	8.831	95.63	-.1961
#3	2.293	-1.569	.5491	9.110	95.87	-.0801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131847-e-3-a Acquired: 4/20/2017 17:24:43 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6631**	**264.1**	**4.542**	**7509.**
Stddev	.6797	.2	.145	61.
%RSD	102.5	.0772	3.187	.8185
#1	-.1213	264.2	4.541	7494.
#2	1.031	263.9	4.398	7457.
#3	1.079	264.2	4.687	7577.
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	**2836.7**	**30715.**	**7846.7**
Stddev	5.9	11.	57.5
%RSD	.20642	.03544	.73277
#1	2830.0	30721.	7807.0
#2	2839.2	30721.	7820.6
#3	2840.9	30702.	7912.7

Sample Name: 460-131695-b-3-a Acquired: 4/20/2017 17:32:34 Type: Unk
Method: xin_sw030317(v52) 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	**71.04**	**-.0402**	**-.1733**	**67.47**	**-.0505**	**23350.**
Stddev	7.32	.8303	.3665	.12	.0529	78.
%RSD	10.30	2064.	211.5	.1770	104.8	.3353
#1	71.81	.6928	-.4267	67.47	-.0062	23270.
#2	63.37	-.9419	-.3401	67.59	-.0362	23420.
#3	77.95	.1284	.2470	67.35	-.1091	23360.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0163**	**.3897**	**.4708**	**-.1335**	**373.3**	**3236.**
Stddev	.0840	.0468	.0656	.2240	13.3	42.
%RSD	516.9	12.00	13.93	167.7	3.564	1.300
#1	.0977	.4364	.4726	.0696	360.9	3199.
#2	-.0702	.3896	.5355	-.3738	371.6	3228.
#3	.0213	.3429	.4044	-.0965	387.3	3282.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-b-3-a Acquired: 4/20/2017 17:32:34 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**6185.**	**70.49**	**3372.**	**5.486**	**-.7150**	**.5061**
Stddev	66.	.86	10.	.194	.4023	2.513
%RSD	1.072	1.213	.3026	3.541	56.27	496.5
#1	6132.	69.82	3369.	5.263	-.2975	2.691
#2	6164.	70.21	3383.	5.580	-1.100	-2.240
#3	6260.	71.45	3363.	5.616	-.7471	1.068
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	**3.466**	**-1.437**	**.7497**	**12.46**	**33.03**	**3.813**
Stddev	1.081	1.563	.1987	.31	.41	.227
%RSD	31.19	108.8	26.51	2.502	1.238	5.956
#1	2.301	-1.637	.9523	12.12	33.40	3.557
#2	3.660	-2.891	.5551	12.72	33.09	3.894
#3	4.437	.2161	.7417	12.55	32.59	3.988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-b-3-a Acquired: 4/20/2017 17:32:34 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8353**	**136.1**	**2.915**	**2278.**
Stddev	1.017	.3	.157	38.
%RSD	121.7	.2115	5.383	1.664
#1	.2152	136.3	2.743	2248.
#2	2.009	135.8	3.050	2321.
#3	.2821	136.1	2.951	2267.
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	**2921.7**	**31581.**	**7870.2**
Stddev	1.9	60.	55.3
%RSD	.06612	.18876	.70285
#1	2923.0	31645.	7912.6
#2	2919.5	31526.	7890.2
#3	2922.6	31572.	7807.6

Sample Name: 460-131695-b-4-a Acquired: 4/20/2017 17:36:31 Type: Unk
Method: xin_sw030317(v52) 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	**256.4**	**.8268**	**-.5595**	**72.32**	**.0071**	**85210.**
Stddev	1.6	1.659	.1726	.03	.0700	376.
%RSD	.6320	200.6	30.85	.0437	983.4	.4413
#1	257.2	.7129	-.7501	72.28	-.0395	85590.
#2	257.3	-.7719	-.5151	72.33	.0876	84840.
#3	254.5	2.539	-.4135	72.34	-.0267	85180.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1813**	**.4598**	**.1303**	**-.6973**	**1569.**	**2075.**
Stddev	.0888	.1920	.1558	.1947	17.	32.
%RSD	48.99	41.76	119.6	27.92	1.069	1.535
#1	-.0955	.3766	.2607	-.6174	1550.	2047.
#2	-.2729	.6793	-.0422	-.9193	1583.	2068.
#3	-.1755	.3234	.1723	-.5553	1575.	2110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-b-4-a Acquired: 4/20/2017 17:36:31 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**8328.**	**94.21**	**8057.**	**7.516**	**.4942**	**-.8356**
Stddev	36.	.58	27.	.175	.2341	.4364
%RSD	.4265	.6141	.3295	2.329	47.37	52.23
#1	8288.	93.54	8038.	7.455	.2441	-1.333
#2	8353.	94.60	8046.	7.380	.7081	-.6545
#3	8345.	94.47	8087.	7.713	.5302	-.5188
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	**5.198**	**-1.351**	**2.068**	**14.16**	**91.24**	**6.533**
Stddev	.946	.637	.094	.06	.70	.235
%RSD	18.20	47.16	4.535	.4237	.7720	3.606
#1	4.422	-1.250	1.961	14.17	90.58	6.261
#2	4.920	-.7710	2.109	14.09	91.15	6.681
#3	6.251	-2.034	2.134	14.21	91.98	6.656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-b-4-a Acquired: 4/20/2017 17:36:31 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3886**	**386.4**	**5.427**	**1349.**
Stddev	.3351	.8	.169	28.
%RSD	86.23	.2074	3.111	2.047
#1	.7752	385.6	5.339	1329.
#2	.2082	387.2	5.622	1381.
#3	.1823	386.4	5.321	1338.
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	**2878.3**	**31303.**	**7899.3**
Stddev	5.7	186.	51.1
%RSD	.19864	.59452	.64648
#1	2874.5	31100.	7908.0
#2	2884.9	31466.	7945.4
#3	2875.5	31341.	7844.4

Sample Name: CCV Acquired: 4/20/2017 17:40:27 Type: QC
Method: xin_sw030317(v52) 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	**127100.**	**2589.**	**1297.**	**10530.**	**992.7**	**127400.**
Stddev	393.	4.	5.	13.	5.8	563.
%RSD	.3089	.1691	.3658	.1218	.5876	.4416
#1	127500.	2590.	1303.	10530.	997.2	127500.
#2	126700.	2584.	1294.	10510.	986.1	126900.
#3	127100.	2592.	1295.	10540.	994.7	128000.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1290.**	**2559.**	**5210.**	**12870.**	**106100.**	**49080.**
Stddev	1.	2.	20.	18.	454.	224.
%RSD	.1132	.0951	.3849	.1409	.4283	.4557
#1	1290.	2558.	5226.	12900.	106500.	49320.
#2	1289.	2558.	5187.	12860.	105600.	48870.
#3	1292.	2562.	5215.	12860.	106200.	49060.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 17:40:27 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**128400.**	**5149.**	**127700.**	**2626.**	**7912.**	**1014.**
Stddev	628.	17.	541.	3.	7.	1.
%RSD	.4894	.3366	.4236	.0955	.0834	.0656
#1	129100.	5157.	128300.	2627.	7917.	1013.
#2	127800.	5129.	127300.	2624.	7905.	1014.
#3	128300.	5162.	127600.	2629.	7916.	1014.
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	**2623.**	**2571.**	**2538.**	**2506.**	**1054.**	**2606.**
Stddev	3.	6.	6.	2.	1.	2.
%RSD	.0975	.2163	.2305	.0613	.0864	.0770
#1	2621.	2572.	2540.	2507.	1053.	2605.
#2	2626.	2575.	2531.	2505.	1055.	2605.
#3	2623.	2564.	2542.	2504.	1055.	2608.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 17:40:27 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1037.**	**5096.**	**10680.**	**10100.**
Stddev	3.	23.	39.	80.
%RSD	.3242	.4426	.3677	.7929
#1	1040.	5107.	10720.	10000.
#2	1033.	5070.	10640.	10140.
#3	1037.	5110.	10680.	10140.
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	**2740.0**	**29778.**	**7806.5**
Stddev	4.3	157.	85.3
%RSD	.15864	.52698	1.0928
#1	2735.4	29645.	7709.8
#2	2740.8	29951.	7871.3
#3	2743.9	29737.	7838.4

Sample Name: CCB Acquired: 4/20/2017 17:44:14 Type: QC
Method: xin_sw030317(v52) 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	**-.1164**	**1.803**	**-.6130**	**.1737**	**.0391**	**-16.92**
Stddev	7.362	.614	.1791	.1462	.0405	2.68
%RSD	6322.	34.04	29.22	84.20	103.4	15.86
#1	2.775	2.319	-.7101	.3374	.0643	-19.36
#2	-8.485	1.125	-.4063	.0561	-.0075	-17.35
#3	5.361	1.965	-.7227	.1275	.0607	-14.05
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0499**	**-.1302**	**.4434**	**-.6005**	**14.83**	**36.75**
Stddev	.0384	.1422	.2960	.1026	8.72	9.65
%RSD	76.97	109.2	66.76	17.09	58.78	26.27
#1	-.0800	-.2925	.6080	-.6149	18.56	27.96
#2	-.0631	-.0274	.1016	-.6952	4.871	47.08
#3	-.0066	-.0707	.6205	-.4915	21.08	35.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 17:44:14 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1.284**	**.0684**	**15.25**	**-.3107**	**1.056**	**.5363**
Stddev	1.942	.1023	8.60	.2401	.314	.3903
%RSD	151.2	149.5	56.39	77.29	29.73	72.79
#1	.6033	.1788	23.69	-.3582	.8207	.8323
#2	-.2252	.0497	15.58	-.0503	1.413	.6826
#3	3.475	-.0232	6.495	-.5234	.9355	.0939
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	**.6835**	**-.3468**	**.3365**	**.2362**	**.7753**	**.5997**
Stddev	1.302	.7885	.0617	.2118	.3325	.5345
%RSD	190.4	227.3	18.32	89.65	42.88	89.13
#1	-.4954	.5410	.3329	.3722	1.038	1.170
#2	2.081	-.6160	.3999	.3442	.8862	.5183
#3	.4654	-.9654	.2767	-.0078	.4015	.1105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 17:44:14 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5453**	**.0519**	**.2999**	**12.18**
Stddev	.5829	.0930	.2142	6.25
%RSD	106.9	179.1	71.44	51.32
#1	.1086	.1513	.5452	6.012
#2	1.207	.0376	.2041	18.51
#3	.3201	-.0331	.1502	12.02
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	**2912.8**	**31538.**	**7740.0**
Stddev	9.3	123.	11.9
%RSD	.31956	.38981	.15404
#1	2904.4	31398.	7750.7
#2	2911.3	31585.	7742.2
#3	2922.8	31629.	7727.2

Sample Name: CCVL Acquired: 4/20/2017 17:48:15 Type: QC
Method: xin_sw030317(v52) 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	**230.2**	**15.61**	**10.22**	**218.8**	**2.048**	**5207.**
Stddev	5.6	1.36	.16	.2	.018	9.
%RSD	2.454	8.738	1.531	.0869	.9012	.1732
#1	229.4	16.46	10.39	218.6	2.042	5202.
#2	236.2	16.34	10.08	218.9	2.033	5217.
#3	225.0	14.04	10.19	219.0	2.068	5202.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.215**	**54.32**	**10.97**	**24.49**	**163.3**	**4902.**
Stddev	.120	.22	.10	.29	9.8	27.
%RSD	2.836	.4093	.8916	1.181	6.010	.5566
#1	4.179	54.49	10.87	24.53	161.3	4902.
#2	4.118	54.07	11.00	24.19	154.6	4875.
#3	4.349	54.40	11.06	24.76	173.9	4930.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 17:48:15 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5135.**	**16.12**	**5025.**	**44.47**	**9.198**	**19.11**
Stddev	30.	.07	31.	.17	.617	.59
%RSD	.5900	.4609	.6152	.3871	6.710	3.111
#1	5101.	16.04	5049.	44.62	9.323	18.47
#2	5159.	16.18	5036.	44.50	8.528	19.64
#3	5146.	16.14	4990.	44.28	9.743	19.23
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	**22.00**	**21.76**	**51.87**	**31.74**	**51.71**	**21.07**
Stddev	1.06	1.45	.40	.19	.29	.13
%RSD	4.833	6.678	.7784	.6121	.5696	.6131
#1	23.17	23.07	52.17	31.66	51.95	21.12
#2	21.72	20.19	52.02	31.96	51.38	21.16
#3	21.10	22.01	51.41	31.60	51.81	20.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 17:48:15 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**52.28**	**20.99**	**22.82**	F **11.62**
Stddev	.50	.12	.11	4.58
%RSD	.9626	.5776	.4906	39.44
#1	52.86	21.10	22.90	13.69
#2	52.03	20.86	22.69	14.81
#3	51.95	21.01	22.86	6.369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2926.4**	**31789.**	**7871.2**
Stddev	1.4	183.	40.1
%RSD	.04696	.57488	.50882
#1	2927.9	31911.	7866.4
#2	2925.2	31579.	7833.7
#3	2926.1	31878.	7913.4

Sample Name: 460-131695-b-5-a Acquired: 4/20/2017 17:52:13 Type: Unk
Method: xin_sw030317(v52) 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	**268.2**	**.2361**	**-.2513**	**75.68**	**.0586**	**89020.**
Stddev	9.7	1.696	.2912	.25	.0317	58.
%RSD	3.598	718.4	115.9	.3348	54.14	.0653
#1	275.1	1.411	-.3479	75.40	.0948	88960.
#2	257.2	1.006	-.4818	75.88	.0452	89070.
#3	272.4	-1.708	.0759	75.77	.0358	89040.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0775**	**.3745**	**.2092**	**-.7859**	**1661.**	**2172.**
Stddev	.0877	.1506	.4234	.2108	10.	15.
%RSD	113.1	40.20	202.3	26.83	.6276	.7025
#1	-.0863	.2009	.6006	-.7216	1673.	2164.
#2	.0142	.4538	.2672	-1.021	1653.	2162.
#3	-.1604	.4689	-.2401	-.6147	1657.	2189.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-b-5-a Acquired: 4/20/2017 17:52:13 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**8670.**	**99.21**	**8463.**	**7.863**	**.1020**	**-.7709**
Stddev	39.	.54	18.	.153	1.342	1.061
%RSD	.4543	.5454	.2147	1.951	1315.	137.6
#1	8643.	99.01	8457.	7.957	-.3374	-1.837
#2	8652.	98.81	8449.	7.946	1.609	.2851
#3	8716.	99.83	8484.	7.686	-.9650	-.7611
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	**4.556**	**-.0860**	**2.548**	**14.54**	**95.02**	**6.990**
Stddev	2.333	1.386	.170	.03	.51	.132
%RSD	51.21	1612.	6.679	.2284	.5403	1.892
#1	5.844	-1.120	2.679	14.52	94.73	7.099
#2	5.961	-.6272	2.608	14.53	95.61	7.029
#3	1.863	1.489	2.356	14.58	94.71	6.843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-b-5-a Acquired: 4/20/2017 17:52:13 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6388**	**402.3**	**5.341**	**1371.**
Stddev	.3650	.6	.038	18.
%RSD	57.14	.1579	.7149	1.276
#1	.9539	401.6	5.334	1352.
#2	.7237	402.5	5.382	1377.
#3	.2388	402.8	5.306	1385.
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	**2852.2**	**31001.**	**7843.6**
Stddev	2.8	13.	14.7
%RSD	.09679	.04318	.18719
#1	2854.7	30986.	7830.3
#2	2852.6	31008.	7841.3
#3	2849.2	31010.	7859.4

Sample Name: 460-131695-b-6-a Acquired: 4/20/2017 17:56:10 Type: Unk
Method: xin_sw030317(v52) 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	**203.2**	**.3048**	**.0866**	**114.9**	**.0038**	**53260.**
Stddev	2.2	.2097	.1159	.3	.0231	193.
%RSD	1.105	68.82	133.7	.2620	603.9	.3617
#1	200.6	.4301	-.0342	115.1	-.0053	53180.
#2	204.2	.4215	.1968	114.9	.0301	53120.
#3	204.7	.0626	.0973	114.5	-.0133	53480.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3277**	**.2333**	**.8558**	**-.8221**	**9308.**	**2131.**
Stddev	.0502	.0528	.4287	.2896	42.	25.
%RSD	15.32	22.65	50.09	35.22	.4526	1.179
#1	-.3853	.2867	.4121	-.5759	9302.	2148.
#2	-.2940	.2320	1.268	-1.141	9270.	2143.
#3	-.3036	.1811	.8877	-.7493	9353.	2102.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-b-6-a Acquired: 4/20/2017 17:56:10 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**7529.**	**182.3**	**6832.**	**.5363**	**19.26**	**-1.081**
Stddev	19.	.7	21.	.6968	1.11	.442
%RSD	.2532	.3996	.3078	129.9	5.767	40.90
#1	7526.	181.6	6813.	1.334	19.67	-1.592
#2	7512.	182.3	6855.	.0460	18.00	-.8329
#3	7550.	183.0	6828.	.2289	20.11	-.8189
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	**2.057**	**-.3769**	**.9018**	**44.63**	**73.83**	**1.451**
Stddev	2.108	.3929	.3306	.09	.24	.172
%RSD	102.5	104.2	36.66	.2038	.3238	11.83
#1	.8053	-.2679	.5348	44.53	74.10	1.636
#2	.8753	-.0500	1.176	44.70	73.70	1.421
#3	4.491	-.8128	.9945	44.67	73.68	1.297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-b-6-a Acquired: 4/20/2017 17:56:10 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.303**	**267.8**	**5.046**	**1567.**
Stddev	.294	.2	.210	11.
%RSD	22.56	.0818	4.163	.6853
#1	1.582	267.8	4.890	1555.
#2	1.330	267.9	5.285	1573.
#3	.9963	267.5	4.963	1573.
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	**2881.3**	**31237.**	**7893.5**
Stddev	9.4	126.	16.3
%RSD	.32655	.40257	.20710
#1	2870.4	31162.	7892.0
#2	2887.5	31383.	7910.5
#3	2885.8	31168.	7878.0

Sample Name: 460-131695-b-7-a Acquired: 4/20/2017 18:00:07 Type: Unk
Method: xin_sw030317(v52) 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	**393.8**	**2.371**	**.0337**	**202.6**	**-.0019**	**40510.**
Stddev	10.4	.371	.5876	.2	.0528	123.
%RSD	2.631	15.64	1746.	.1086	2707.	.3031
#1	404.1	1.955	-.2320	202.6	-.0300	40640.
#2	383.4	2.494	-.3743	202.8	-.0348	40480.
#3	393.8	2.666	.7072	202.4	.0589	40400.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3494**	**-.2244**	**.6963**	**-.7098**	**9876.**	**5370.**
Stddev	.0589	.1212	.1594	.2549	57.	19.
%RSD	16.85	54.03	22.89	35.91	.5791	.3514
#1	-.3742	-.1546	.6143	-.5504	9872.	5371.
#2	-.3919	-.3644	.8800	-.5753	9821.	5351.
#3	-.2822	-.1542	.5946	-1.004	9935.	5389.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-b-7-a Acquired: 4/20/2017 18:00:07 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2874.**	**330.2**	**21480.**	**.4361**	**.2465**	**.4111**
Stddev	17.	.9	128.	.1494	.7718	1.454
%RSD	.6041	.2868	.5974	34.26	313.1	353.6
#1	2869.	331.0	21630.	.3480	1.017	-1.157
#2	2860.	330.5	21430.	.3516	.2496	1.714
#3	2894.	329.2	21390.	.6086	-.5269	.6763
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	**.1305**	**-1.197**	**1.107**	**5.721**	**58.26**	**1.041**
Stddev	3.564	1.505	.141	.152	.86	.144
%RSD	2731.	125.7	12.73	2.657	1.476	13.85
#1	3.188	-1.595	1.034	5.558	57.27	1.101
#2	.9876	.4663	1.018	5.747	58.82	.8760
#3	-3.784	-2.463	1.270	5.858	58.70	1.144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-b-7-a Acquired: 4/20/2017 18:00:07 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7755**	**235.0**	**5.886**	**1671.**
Stddev	.4202	.5	.611	1.
%RSD	54.18	.2098	10.38	.0734
#1	.4827	235.4	5.564	1671.
#2	.5869	235.2	6.591	1673.
#3	1.257	234.4	5.503	1670.
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	**2898.8**	**31271.**	**7951.6**
Stddev	6.0	156.	51.8
%RSD	.20657	.49949	.65090
#1	2891.9	31097.	7891.8
#2	2901.9	31316.	7982.3
#3	2902.6	31399.	7980.6

Sample Name: 460-131695-a-1-a Acquired: 4/20/2017 18:07:56 Type: Unk
Method: xin_sw030317(v52) 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	**17.85**	**.2803**	**-.3222**	**.9553**	**-.0126**	**24.35**
Stddev	11.11	.9100	.0258	.0378	.0553	4.57
%RSD	62.22	324.6	7.994	3.954	439.9	18.75
#1	27.53	1.105	-.3381	.9986	-.0249	28.85
#2	20.30	.4317	-.2925	.9386	.0478	19.72
#3	5.723	-.6959	-.3361	.9288	-.0607	24.48
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1537**	**-.1726**	**.5606**	**-.8041**	**7.405**	**28.96**
Stddev	.0750	.1081	.0398	.3593	10.31	12.16
%RSD	48.79	62.61	7.101	44.68	139.3	41.99
#1	-.1483	-.0478	.5401	-1.183	-4.396	17.99
#2	-.2314	-.2328	.6065	-.4683	14.69	26.85
#3	-.0816	-.2371	.5352	-.7610	11.92	42.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-a-1-a Acquired: 4/20/2017 18:07:56 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5.724**	**.0268**	**257.8**	**.2279**	**.4038**	**1.165**
Stddev	3.277	.0200	2.2	.0605	.3204	1.290
%RSD	57.25	74.43	.8469	26.53	79.34	110.7
#1	2.292	.0081	258.4	.2184	.3566	-.3235
#2	6.058	.0479	259.6	.2926	.1097	1.866
#3	8.821	.0245	255.4	.1728	.7453	1.953
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	**1.010**	**-1.183**	**.3267**	**1.296**	**1.118**	**-.3081**
Stddev	2.306	1.166	.2214	.089	.827	.2320
%RSD	228.3	98.51	67.78	6.908	73.91	75.29
#1	1.436	-.3400	.1016	1.204	.1668	-.0785
#2	3.074	-2.513	.3344	1.301	1.657	-.5424
#3	-1.479	-.6963	.5442	1.383	1.531	-.3034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131695-a-1-a Acquired: 4/20/2017 18:07:56 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.485**	**.0648**	**-.2400**	**45.33**
Stddev	.496	.0532	.1038	2.04
%RSD	33.36	82.18	43.26	4.504
#1	1.904	.0042	-.2923	43.15
#2	.9383	.0859	-.1204	45.64
#3	1.613	.1042	-.3072	47.19
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	**2929.7**	**31754.**	**7858.3**
Stddev	4.6	93.	16.6
%RSD	.15845	.29358	.21160
#1	2925.0	31723.	7839.2
#2	2934.3	31859.	7869.6
#3	2929.8	31680.	7866.1

Sample Name: CCV Acquired: 4/20/2017 18:15:59 Type: QC
Method: xin_sw030317(v52) 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	**128700.**	**2624.**	**1315.**	**10670.**	**1000.**	**128200.**
Stddev	155.	2.	6.	29.	4.	733.
%RSD	.1205	.0598	.4370	.2706	.4301	.5716
#1	128600.	2626.	1310.	10640.	1004.	127500.
#2	128800.	2623.	1314.	10660.	1002.	128200.
#3	128600.	2623.	1321.	10700.	995.6	129000.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1307.**	**2586.**	**5259.**	**12980.**	**107400.**	**49410.**
Stddev	2.	4.	31.	22.	617.	41.
%RSD	.1520	.1442	.5872	.1722	.5750	.0821
#1	1305.	2583.	5231.	12960.	106800.	49390.
#2	1306.	2590.	5254.	12980.	107300.	49460.
#3	1309.	2586.	5292.	13000.	108000.	49380.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 18:15:59 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**129900.**	**5182.**	**129100.**	**2668.**	**8051.**	**1028.**
Stddev	470.	25.	108.	5.	17.	2.
%RSD	.3620	.4848	.0833	.1967	.2151	.1671
#1	129500.	5157.	129200.	2664.	8035.	1026.
#2	129700.	5181.	129100.	2666.	8048.	1029.
#3	130400.	5207.	129000.	2674.	8070.	1028.
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	**2676.**	**2604.**	**2556.**	**2523.**	**1076.**	**2636.**
Stddev	10.	6.	13.	2.	3.	4.
%RSD	.3573	.2315	.5058	.0653	.2878	.1613
#1	2665.	2606.	2543.	2524.	1073.	2631.
#2	2680.	2609.	2556.	2525.	1078.	2638.
#3	2683.	2597.	2569.	2522.	1078.	2639.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 18:15:59 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1051.**	**5147.**	**10830.**	**10270.**
Stddev	3.	4.	26.	36.
%RSD	.3248	.0739	.2404	.3551
#1	1050.	5150.	10800.	10270.
#2	1049.	5143.	10830.	10230.
#3	1055.	5149.	10850.	10300.
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	**2691.9**	**29456.**	**7742.7**
Stddev	4.2	164.	30.3
%RSD	.15739	.55587	.39191
#1	2695.3	29617.	7773.4
#2	2693.1	29461.	7742.0
#3	2687.1	29289.	7712.7

Sample Name: CCVL Acquired: 4/20/2017 18:23:44 Type: QC
Method: xin_sw030317(v52) 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	**227.2**	**15.73**	**10.06**	**220.8**	**2.097**	**5258.**
Stddev	5.5	.69	.27	.2	.073	14.
%RSD	2.403	4.378	2.674	.0962	3.507	.2661
#1	222.8	15.95	9.808	220.7	2.066	5272.
#2	233.3	14.95	10.34	220.7	2.044	5256.
#3	225.5	16.27	10.03	221.1	2.181	5245.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.322**	**55.07**	**11.44**	**25.20**	**166.9**	**4947.**
Stddev	.062	.58	.04	.20	2.0	47.
%RSD	1.428	1.058	.3431	.7829	1.211	.9465
#1	4.269	54.53	11.46	25.16	169.2	4896.
#2	4.307	54.98	11.39	25.41	165.2	4960.
#3	4.390	55.69	11.46	25.02	166.4	4987.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 18:23:44 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5250.**	**16.45**	**5069.**	**45.11**	**10.55**	**21.60**
Stddev	33.	.07	7.	1.10	1.19	1.12
%RSD	.6235	.3965	.1315	2.436	11.27	5.175
#1	5212.	16.37	5063.	44.18	9.359	22.34
#2	5271.	16.47	5068.	44.85	10.56	22.16
#3	5267.	16.49	5076.	46.32	11.74	20.32
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	**22.17**	**21.66**	**52.56**	**32.35**	**52.59**	**21.45**
Stddev	1.98	1.10	.46	.49	.77	.24
%RSD	8.922	5.063	.8791	1.521	1.469	1.131
#1	19.97	22.87	52.12	32.09	51.72	21.50
#2	22.76	20.73	52.52	32.03	52.86	21.18
#3	23.79	21.39	53.04	32.91	53.19	21.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 18:23:44 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**53.76**	**20.93**	**23.34**	F **17.15**
Stddev	.53	.21	.24	2.87
%RSD	.9846	1.006	1.037	16.71
#1	54.20	20.72	23.33	17.95
#2	53.17	20.95	23.10	19.54
#3	53.92	21.14	23.59	13.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2898.3**	**31446.**	**7914.9**
Stddev	1.3	119.	8.0
%RSD	.04379	.37794	.10062
#1	2896.9	31377.	7923.6
#2	2898.8	31377.	7908.1
#3	2899.3	31583.	7912.8

Sample Name: CCV Acquired: 4/20/2017 20:34:28 Type: QC
Method: xin_sw030317(v52) 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	**131000.**	**2605.**	**1287.**	**10580.**	**1034.**	**130300.**
Stddev	573.	4.	4.	4.	4.	199.
%RSD	.4370	.1571	.3042	.0363	.4249	.1524
#1	130900.	2607.	1288.	10590.	1034.	130300.
#2	131700.	2600.	1291.	10580.	1039.	130500.
#3	130500.	2607.	1283.	10590.	1030.	130100.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1308.**	**2623.**	**5231.**	**13150.**	**105800.**	**50300.**
Stddev	1.	4.	16.	39.	373.	129.
%RSD	.0818	.1404	.3085	.3000	.3522	.2558
#1	1309.	2627.	5235.	13150.	105700.	50320.
#2	1308.	2619.	5244.	13180.	106100.	50420.
#3	1307.	2624.	5213.	13100.	105400.	50160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 20:34:28 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**128100.**	**5258.**	**129600.**	**2653.**	**7961.**	**1035.**
Stddev	502.	7.	335.	3.	7.	2.
%RSD	.3916	.1410	.2582	.0959	.0892	.2320
#1	128300.	5259.	129700.	2656.	7968.	1033.
#2	128500.	5265.	130000.	2652.	7961.	1035.
#3	127600.	5250.	129300.	2651.	7954.	1038.
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	**2636.**	**2616.**	**2596.**	**2564.**	**1069.**	**2645.**
Stddev	1.	2.	8.	6.	2.	2.
%RSD	.0290	.0868	.2909	.2349	.2207	.0619
#1	2637.	2617.	2602.	2571.	1069.	2644.
#2	2636.	2614.	2598.	2560.	1072.	2644.
#3	2635.	2618.	2587.	2561.	1067.	2647.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 20:34:28 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1055.**	**5331.**	**10760.**	**10340.**
Stddev	4.	15.	52.	32.
%RSD	.3326	.2793	.4852	.3058
#1	1058.	5341.	10700.	10380.
#2	1053.	5339.	10780.	10320.
#3	1052.	5314.	10800.	10340.
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	**2715.3**	**29650.**	**7528.2**
Stddev	4.0	66.	54.0
%RSD	.14764	.22177	.71752
#1	2710.7	29597.	7526.7
#2	2718.0	29629.	7475.0
#3	2717.1	29723.	7583.0

Sample Name: mb 460-431766/1-a@2 Acquired: 4/20/2017 20:54:00 Type: Unk
Method: xin_sw030317(v52) 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	**6.183**	**1.472**	**-.3128**	**.0174**	**.0358**	**-12.46**
Stddev	9.657	1.989	.3328	.1468	.0447	4.55
%RSD	156.2	135.1	106.4	842.0	124.9	36.56
#1	10.49	3.258	-.4449	.1248	-.0027	-15.57
#2	12.93	-.6717	.0658	-.1498	.0848	-7.229
#3	-4.878	1.831	-.5593	.0774	.0252	-14.56
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0304**	**-.1535**	**.2852**	**-.9355**	**8.682**	**3.819**
Stddev	.0266	.0802	.4550	.1406	5.382	7.347
%RSD	87.33	52.26	159.5	15.03	62.00	192.4
#1	-.0070	-.1059	.7445	-1.096	12.96	-3.285
#2	-.0250	-.2461	-.1653	-.8357	10.45	3.355
#3	-.0593	-.1085	.2763	-.8746	2.637	11.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-431766/1-a@2 Acquired: 4/20/2017 20:54:00 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1.026**	**-.0196**	**-7.083**	**.2022**	**.2727**	**.7757**
Stddev	2.749	.0256	5.929	.1551	.7318	.1225
%RSD	267.9	130.2	83.71	76.70	268.4	15.79
#1	2.501	-.0050	-10.44	.0234	-.3953	.8208
#2	2.724	-.0491	-.2367	.2996	1.055	.8693
#3	-2.146	-.0047	-10.57	.2836	.1583	.6371
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	**2.239**	**-1.365**	**.4518**	**.4541**	**-.6667**	**-.2878**
Stddev	1.813	2.653	.0377	.0287	.5144	.0955
%RSD	80.97	194.4	8.342	6.313	77.15	33.17
#1	3.242	-2.938	.4875	.4263	-.5129	-.2855
#2	3.328	1.699	.4124	.4524	-1.240	-.1935
#3	.1463	-2.855	.4557	.4836	-.2468	-.3844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-431766/1-a@2 Acquired: 4/20/2017 20:54:00 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4459**	**-.0876**	**-.2107**	**3.461**
Stddev	.3414	.0196	.0570	5.332
%RSD	76.56	22.34	27.04	154.0
#1	.6275	-.0744	-.1977	6.214
#2	.6580	-.0783	-.1614	6.854
#3	.0521	-.1101	-.2731	-2.684
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	**2980.4**	**32532.**	**7862.2**
Stddev	23.8	210.	123.6
%RSD	.79992	.64592	1.5715
#1	2956.5	32302.	7743.8
#2	2980.5	32578.	7852.6
#3	3004.2	32715.	7990.3

Sample Name: 460-131364-g-1-e du Acquired: 4/20/2017 21:01:39 Type: Unk
Method: xin_sw030317(v52) 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	**38590.**	**19.31**	**-.0989**	**314.5**	**2.668**	**5668.**
Stddev	157.	2.03	.4067	.2	.052	40.
%RSD	.4056	10.53	411.1	.0517	1.963	.7082
#1	38420.	18.53	-.5523	314.3	2.660	5631.
#2	38610.	21.62	.0219	314.5	2.620	5711.
#3	38730.	17.79	.2336	314.6	2.724	5662.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.557**	**24.00**	**73.19**	**101.9**	**88480.**	**5142.**
Stddev	.042	.27	.25	.5	256.	40.
%RSD	2.693	1.107	.3373	.5191	.2896	.7759
#1	-1.554	23.86	72.94	101.5	88230.	5118.
#2	-1.600	23.84	73.19	102.5	88740.	5119.
#3	-1.516	24.31	73.44	101.8	88480.	5188.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-1-e du Acquired: 4/20/2017 21:01:39 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12880.**	**758.8**	**1361.**	**75.26**	**720.4**	**1.351**
Stddev	56.	3.5	9.	.34	5.0	1.181
%RSD	.4357	.4676	.6415	.4471	.6988	87.42
#1	12820.	755.4	1358.	74.88	718.0	2.525
#2	12930.	762.5	1355.	75.48	717.1	.1634
#3	12890.	758.7	1371.	75.43	726.2	1.364
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	**4.649**	**-1.404**	**91.90**	**212.3**	**10.19**	**3.893**
Stddev	1.686	2.505	.46	.8	.10	.196
%RSD	36.26	178.4	.5052	.3880	1.009	5.042
#1	4.371	-.5561	91.46	211.7	10.07	4.094
#2	3.120	.5671	91.86	212.0	10.28	3.883
#3	6.457	-4.222	92.39	213.3	10.21	3.702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-1-e du Acquired: 4/20/2017 21:01:39 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**42.72**	**58.18**	**1112.**	**1242.**
Stddev	1.16	.26	4.	7.
%RSD	2.705	.4535	.3611	.5801
#1	43.88	58.00	1108.	1248.
#2	41.57	58.05	1116.	1234.
#3	42.73	58.48	1111.	1244.
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	**2970.2**	**32518.**	**8025.7**
Stddev	4.6	147.	41.9
%RSD	.15476	.45067	.52233
#1	2967.0	32515.	8072.3
#2	2975.5	32372.	7991.0
#3	2968.1	32666.	8013.8

Sample Name: CCB Acquired: 4/20/2017 20:38:12 Type: QC
Method: xin_sw030317(v52) 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	**3.251**	**.6036**	**.1370**	**.1541**	**.0208**	**-11.95**
Stddev	5.511	1.539	.2873	.1918	.0352	2.07
%RSD	169.6	255.0	209.7	124.4	169.2	17.36
#1	-.1036	-.0164	.4534	.3605	.0559	-9.770
#2	.2438	-.5289	-.1076	-.0186	-.0146	-13.90
#3	9.611	2.356	.0653	.1204	.0213	-12.18
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0369**	**-.3125**	**.4549**	**-.3996**	**5.183**	**38.07**
Stddev	.0720	.1217	.4676	.3829	11.91	10.14
%RSD	195.2	38.95	102.8	95.81	229.7	26.63
#1	-.0007	-.4158	.9776	-.3361	12.53	47.61
#2	.0099	-.1783	.3104	-.0524	11.58	27.43
#3	-.1199	-.3433	.0766	-.8102	-8.554	39.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 20:38:12 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3.621**	**.0442**	**-1.345**	**-.0221**	**.0935**	**.4390**
Stddev	2.850	.0689	9.625	.4789	.3511	.9040
%RSD	78.72	155.8	715.5	2162.	375.3	205.9
#1	4.352	.1118	9.135	-.5387	-.3109	-.5694
#2	6.035	.0467	-3.381	.4071	.3199	.7097
#3	.4765	-.0259	-9.789	.0651	.2717	1.177
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	**2.341**	**-1.164**	**.2604**	**.1759**	**.2111**	**.7321**
Stddev	1.349	.635	.2242	.2643	.3448	.2792
%RSD	57.65	54.58	86.11	150.3	163.4	38.14
#1	2.975	-1.826	.2672	.2422	-.0067	.9631
#2	.7912	-.5592	.4811	-.1153	.6086	.8114
#3	3.257	-1.108	.0328	.4008	.0313	.4219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 20:38:12 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8351**	**.0719**	**.3188**	**11.20**
Stddev	.5074	.1640	.2041	9.50
%RSD	60.76	228.0	64.03	84.83
#1	.4962	.2562	.5275	4.777
#2	1.419	.0180	.3093	22.12
#3	.5907	-.0583	.1196	6.711
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	**2933.2**	**31944.**	**7639.0**
Stddev	8.8	98.	20.0
%RSD	.30057	.30547	.26168
#1	2926.1	31961.	7638.7
#2	2930.5	31839.	7619.2
#3	2943.1	32032.	7659.1

Sample Name: CCVL Acquired: 4/20/2017 20:42:14 Type: QC
Method: xin_sw030317(v52) 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	**219.2**	**15.48**	**9.749**	**216.6**	**2.068**	**5275.**
Stddev	8.5	1.82	.259	1.5	.039	46.
%RSD	3.867	11.78	2.658	.7097	1.889	.8664
#1	210.4	13.78	9.685	215.0	2.028	5225.
#2	220.0	15.24	10.03	216.6	2.070	5315.
#3	227.3	17.40	9.529	218.1	2.106	5286.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.247**	**54.31**	**10.94**	**24.71**	**173.7**	**4965.**
Stddev	.147	.38	.55	.57	5.6	42.
%RSD	3.464	.7017	5.016	2.292	3.231	.8375
#1	4.086	54.21	10.53	25.36	167.2	4918.
#2	4.375	53.98	10.73	24.34	176.6	4999.
#3	4.281	54.73	11.57	24.43	177.2	4977.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 20:42:14 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5113.**	**16.36**	**5030.**	**44.34**	**11.30**	**20.83**
Stddev	33.	.22	37.	.62	.98	.88
%RSD	.6467	1.357	.7310	1.409	8.663	4.237
#1	5075.	16.10	4994.	43.68	10.73	20.89
#2	5129.	16.49	5029.	44.40	12.43	19.93
#3	5134.	16.48	5067.	44.93	10.74	21.69
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	**20.24**	**22.25**	**52.34**	**32.02**	**50.82**	**21.10**
Stddev	.72	.20	.73	.13	.01	.18
%RSD	3.571	.9029	1.402	.3955	.0106	.8507
#1	20.50	22.19	52.02	32.00	50.82	21.30
#2	19.43	22.09	51.82	31.91	50.82	21.05
#3	20.80	22.48	53.18	32.16	50.81	20.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 20:42:14 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**53.16**	**21.18**	**22.46**	F **15.00**
Stddev	.62	.37	.31	6.40
%RSD	1.166	1.758	1.380	42.71
#1	52.66	20.75	22.21	22.20
#2	52.96	21.34	22.81	12.83
#3	53.85	21.44	22.37	9.957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2936.9**	**31631.**	**7682.7**
Stddev	21.3	298.	146.2
%RSD	.72484	.94243	1.9023
#1	2960.9	31959.	7851.1
#2	2929.5	31376.	7589.0
#3	2920.2	31559.	7608.1

Sample Name: CCV Acquired: 4/20/2017 21:24:26 Type: QC
Method: xin_sw030317(v52) 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	**129500.**	**2564.**	**1277.**	**10460.**	**998.2**	**126900.**
Stddev	157.	16.	3.	14.	1.1	443.
%RSD	.1208	.6214	.2155	.1293	.1063	.3492
#1	129500.	2549.	1279.	10440.	997.6	127000.
#2	129300.	2562.	1278.	10460.	997.6	126400.
#3	129600.	2580.	1274.	10470.	999.4	127300.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1282.**	**2559.**	**5133.**	**12840.**	**104500.**	**48860.**
Stddev	3.	11.	9.	33.	246.	52.
%RSD	.2700	.4304	.1791	.2552	.2352	.1070
#1	1279.	2549.	5135.	12820.	104500.	48840.
#2	1281.	2558.	5123.	12830.	104300.	48920.
#3	1286.	2571.	5140.	12880.	104800.	48820.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 21:24:26 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**125800.**	**5118.**	**127700.**	**2617.**	**7879.**	**1006.**
Stddev	144.	14.	139.	6.	12.	3.
%RSD	.1143	.2734	.1090	.2307	.1524	.3010
#1	125900.	5116.	127800.	2613.	7873.	1003.
#2	125800.	5105.	127600.	2615.	7871.	1008.
#3	125600.	5133.	127600.	2624.	7893.	1008.
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	**2603.**	**2552.**	**2523.**	**2480.**	**1058.**	**2599.**
Stddev	12.	2.	6.	5.	8.	9.
%RSD	.4678	.0635	.2446	.1875	.7416	.3458
#1	2594.	2550.	2519.	2477.	1051.	2589.
#2	2598.	2553.	2521.	2477.	1058.	2600.
#3	2617.	2552.	2530.	2485.	1066.	2607.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/20/2017 21:24:26 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1038.**	**5174.**	**10580.**	**10170.**
Stddev	4.	14.	38.	103.
%RSD	.3837	.2721	.3553	1.016
#1	1034.	5162.	10620.	10070.
#2	1041.	5170.	10550.	10280.
#3	1040.	5190.	10560.	10150.
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	**2703.4**	**29764.**	**7608.2**
Stddev	7.6	64.	66.1
%RSD	.27935	.21462	.86853
#1	2711.1	29766.	7561.7
#2	2703.2	29827.	7683.8
#3	2696.0	29700.	7579.1

Sample Name: 460-131723-a-2-b@2 Acquired: 4/20/2017 20:46:11 Type: Unk
Method: xin_sw030317(v52) 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	**8151.**	**2.518**	**-.0480**	**7.144**	**2.665**	**127200.**
Stddev	50.	2.030	.2491	.048	.042	553.
%RSD	.6173	80.63	518.3	.6727	1.586	.4351
#1	8098.	2.014	.1989	7.200	2.694	127500.
#2	8157.	.7866	-.0439	7.116	2.686	127400.
#3	8198.	4.752	-.2991	7.118	2.617	126500.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2.601**	**37.73**	**1.015**	**86.79**	**1779.**	**2448.**
Stddev	.012	.05	.205	.37	14.	10.
%RSD	.4738	.1306	20.16	.4256	.7604	.4120
#1	2.615	37.68	.8069	87.07	1794.	2448.
#2	2.595	37.77	1.022	86.92	1774.	2458.
#3	2.593	37.75	1.216	86.37	1769.	2438.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131723-a-2-b@2 Acquired: 4/20/2017 20:46:11 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**11070.**	**1405.**	**17330.**	**54.16**	**3.984**	**.3074**
Stddev	108.	5.	26.	.51	1.383	.7977
%RSD	.9720	.3586	.1526	.9491	34.70	259.5
#1	11180.	1409.	17310.	54.06	3.270	.8980
#2	11070.	1407.	17330.	53.70	3.104	-.6001
#3	10970.	1400.	17360.	54.71	5.578	.6241
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	**.5045**	**-.4338**	**.3262**	**660.2**	**72.07**	**-.2826**
Stddev	2.644	.8123	.4419	2.9	.83	.1081
%RSD	524.1	187.3	135.5	.4446	1.155	38.27
#1	-2.516	-.0597	.6652	658.4	71.12	-.3716
#2	2.404	.1241	-.1736	658.6	72.45	-.3139
#3	1.625	-1.366	.4869	663.6	72.65	-.1622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131723-a-2-b@2 Acquired: 4/20/2017 20:46:11 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6362**	**225.5**	**4.559**	**15550.**
Stddev	.0841	1.9	.044	107.
%RSD	13.21	.8552	.9758	.6898
#1	.5576	223.7	4.598	15440.
#2	.7248	225.2	4.568	15650.
#3	.6262	227.5	4.510	15550.
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	**2935.4**	**31998.**	**7996.1**
Stddev	2.7	247.	40.0
%RSD	.09070	.77126	.50045
#1	2936.2	31756.	8014.1
#2	2937.7	31991.	8023.9
#3	2932.5	32249.	7950.3

Sample Name: 460-131364-g-6-b@4 Acquired: 4/20/2017 21:43:51 Type: Unk
Method: xin_sw030317(v52) 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	**36400.**	**55.72**	**-.2099**	**233.0**	**1.920**	**13480.**
Stddev	31.	1.11	.2969	.5	.080	37.
%RSD	.0847	1.985	141.5	.1932	4.150	.2755
#1	36400.	55.39	.0107	232.7	2.011	13470.
#2	36430.	56.96	-.0929	233.5	1.860	13450.
#3	36370.	54.82	-.5475	232.7	1.891	13520.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9992**	**45.51**	**76.92**	**196.0**	**72570.**	**4447.**
Stddev	.0907	.26	.59	.9	310.	20.
%RSD	9.080	.5743	.7651	.4733	.4270	.4528
#1	-.9362	45.30	77.16	196.1	72620.	4449.
#2	-.9583	45.42	76.25	195.1	72240.	4466.
#3	-1.103	45.80	77.35	196.9	72850.	4426.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-6-b@4 Acquired: 4/20/2017 21:43:51 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**13860.**	**730.6**	**1972.**	**79.03**	**172.3**	**.7660**
Stddev	48.	2.5	18.	.41	2.2	2.245
%RSD	.3441	.3421	.8938	.5235	1.291	293.1
#1	13850.	729.6	1969.	78.58	169.7	-1.017
#2	13820.	728.8	1991.	79.10	173.2	.0279
#3	13910.	733.5	1956.	79.40	173.8	3.287
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	**5.186**	**-1.807**	**89.64**	**351.8**	**12.46**	**2.880**
Stddev	2.458	1.746	.84	1.1	.11	.043
%RSD	47.40	96.61	.9422	.3054	.8944	1.498
#1	7.979	-3.598	88.80	351.1	12.34	2.929
#2	4.223	-1.714	89.65	351.4	12.54	2.860
#3	3.354	-.1095	90.48	353.1	12.51	2.850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-6-b@4 Acquired: 4/20/2017 21:43:51 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**16.05**	**65.70**	**1301.**	**2232.**
Stddev	.43	.21	6.	16.
%RSD	2.695	.3254	.4319	.7290
#1	15.64	65.66	1303.	2228.
#2	16.00	65.94	1295.	2250.
#3	16.50	65.52	1305.	2218.
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	**2931.0**	**32034.**	**7970.4**
Stddev	6.9	131.	4.1
%RSD	.23579	.40959	.05086
#1	2928.0	31897.	7965.8
#2	2926.2	32159.	7973.4
#3	2939.0	32046.	7972.1

Sample Name: 460-131847-e-4-a@2 Acquired: 4/20/2017 20:50:06 Type: Unk
Method: xin_sw030317(v52) 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	**3381.**	**3.463**	**-.0383**	**313.8**	**.0248**	**39850.**
Stddev	4.	1.932	.3623	.5	.0448	145.
%RSD	.1118	55.80	947.2	.1663	180.5	.3640
#1	3384.	5.297	-.3768	313.3	.0766	39690.
#2	3377.	3.645	-.0818	313.8	-.0027	39880.
#3	3381.	1.446	.3439	314.4	.0007	39980.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2462**	**-.4082**	**.2444**	**.3831**	**4702.**	**1735.**
Stddev	.0362	.0099	.2830	.2573	45.	2.
%RSD	14.69	2.433	115.8	67.16	.9530	.1291
#1	-.2085	-.4190	.5690	.6757	4652.	1733.
#2	-.2496	-.4063	.1146	.1925	4713.	1736.
#3	-.2805	-.3994	.0495	.2810	4740.	1737.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131847-e-4-a@2 Acquired: 4/20/2017 20:50:06 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**8606.**	**1591.**	**36500.**	**1.082**	**-.7303**	**-.3679**
Stddev	76.	3.	150.	.096	.0155	.3172
%RSD	.8791	.1925	.4110	8.901	2.127	86.23
#1	8531.	1588.	36670.	.9942	-.7431	-.0210
#2	8604.	1593.	36400.	1.185	-.7347	-.4395
#3	8682.	1593.	36420.	1.067	-.7130	-.6432
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	**2.108**	**-2.185**	**.5039**	**3.247**	**44.67**	**-.2051**
Stddev	1.250	1.033	.2468	.184	.23	.3013
%RSD	59.29	47.27	48.97	5.660	.5103	146.9
#1	.7654	-3.042	.3312	3.351	44.81	.1410
#2	3.238	-2.476	.3940	3.035	44.79	-.4083
#3	2.322	-1.038	.7865	3.355	44.40	-.3481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131847-e-4-a@2 Acquired: 4/20/2017 20:50:06 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7006**	**143.2**	**3.948**	**5640.**
Stddev	.3065	.4	.207	20.
%RSD	43.75	.2475	5.233	.3577
#1	.8586	143.6	3.893	5616.
#2	.8958	142.9	4.176	5650.
#3	.3473	143.1	3.774	5653.
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	**2844.2**	**31100.**	**7689.9**
Stddev	11.1	52.	36.8
%RSD	.38941	.16764	.47916
#1	2833.0	31042.	7648.8
#2	2844.5	31112.	7720.1
#3	2855.1	31145.	7700.7

Sample Name: 460-131364-f-12-c@4 Acquired: 4/20/2017 22:03:06 Type: Unk
Method: xin_sw030317(v52) 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	**7593.**	**280.1**	**1.286**	**531.6**	**.6485**	**15370.**
Stddev	46.	1.1	.124	1.8	.0808	24.
%RSD	.6009	.3983	9.645	.3402	12.45	.1556
#1	7566.	279.1	1.351	532.0	.6975	15360.
#2	7646.	279.9	1.363	533.1	.6929	15400.
#3	7568.	281.3	1.143	529.6	.5553	15360.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.212**	**16.00**	**43.60**	**550.0**	F **219400.**	**10120.**
Stddev	.062	.36	.72	1.0	450.	52.
%RSD	1.463	2.220	1.641	.1774	.2053	.5117
#1	-4.178	16.01	42.97	551.0	219000.	10150.
#2	-4.175	15.64	43.46	549.1	219400.	10150.
#3	-4.283	16.35	44.38	550.0	219900.	10060.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-131364-f-12-c@4 Acquired: 4/20/2017 22:03:06 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2832.**	**149.4**	**7078.**	**15.37**	**1172.**	**8.333**
Stddev	27.	.8	40.	.20	5.	.447
%RSD	.9699	.5050	.5713	1.325	.3931	5.360
#1	2800.	148.6	7061.	15.48	1169.	8.092
#2	2846.	149.8	7124.	15.50	1177.	8.849
#3	2849.	149.9	7048.	15.14	1171.	8.059
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	**16.26**	**-3.146**	**107.8**	**125.2**	**26.66**	**16.54**
Stddev	.48	2.377	.7	.3	.42	.33
%RSD	2.935	75.56	.6245	.2755	1.574	2.021
#1	15.86	-.9718	107.1	125.3	26.28	16.17
#2	16.13	-5.684	108.2	125.4	26.59	16.82
#3	16.79	-2.782	108.3	124.8	27.11	16.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-f-12-c@4 Acquired: 4/20/2017 22:03:06 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**92.86**	**213.6**	**1551.**	**1975.**
Stddev	1.55	.9	2.	38.
%RSD	1.667	.4412	.1481	1.948
#1	94.58	213.3	1549.	1939.
#2	91.58	214.6	1550.	2016.
#3	92.42	212.8	1553.	1971.
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	**2814.6**	**31022.**	**7614.4**
Stddev	17.9	76.	65.0
%RSD	.63649	.24488	.85341
#1	2796.8	30953.	7582.4
#2	2814.3	31009.	7571.6
#3	2832.6	31103.	7689.2

Sample Name: lcssrm 460-431766/2- Acquired: 4/20/2017 20:58:01 Type: Unk
Method: xin_sw030317(v52) 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	**31550.**	**282.3**	**264.8**	**560.6**	**330.8**	**31610.**
Stddev	870.	8.5	6.1	17.4	6.8	852.
%RSD	2.758	3.016	2.294	3.112	2.050	2.696
#1	30760.	272.7	259.7	541.2	326.0	30820.
#2	31420.	288.7	263.1	575.0	327.8	31510.
#3	32480.	285.6	271.5	565.7	338.5	32510.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**406.4**	**315.5**	**331.7**	**278.0**	**77800.**	**10560.**
Stddev	12.7	11.0	8.8	6.6	2029.	241.
%RSD	3.127	3.497	2.663	2.383	2.608	2.284
#1	392.8	303.7	323.6	271.6	75990.	10340.
#2	418.0	325.5	330.4	277.4	77430.	10510.
#3	408.5	317.4	341.1	284.9	79990.	10820.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-431766/2- Acquired: 4/20/2017 20:58:01 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12000.**	**1428.**	**4339.**	**333.7**	**452.7**	**748.1**
Stddev	311.	35.	104.	10.7	16.2	24.0
%RSD	2.590	2.424	2.404	3.196	3.585	3.214
#1	11720.	1395.	4251.	322.3	435.1	722.1
#2	11950.	1424.	4313.	343.4	467.0	769.6
#3	12340.	1464.	4454.	335.2	456.0	752.7
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	**405.2**	**978.7**	**288.9**	**997.0**	**422.8**	**308.7**
Stddev	11.6	34.8	6.9	33.3	12.9	11.0
%RSD	2.854	3.558	2.400	3.341	3.059	3.561
#1	392.4	941.4	282.5	962.1	408.1	296.5
#2	414.9	1010.	288.1	1028.	432.7	317.8
#3	408.4	984.3	296.3	1000.	427.5	311.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: lcssrm 460-431766/2- Acquired: 4/20/2017 20:58:01 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**844.8**	**432.9**	**1490.**	**2115.**
Stddev	28.9	10.1	38.	55.
%RSD	3.420	2.323	2.555	2.622
#1	812.9	423.2	1456.	2056.
#2	869.2	432.1	1483.	2167.
#3	852.4	443.3	1531.	2121.
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	**3001.1**	**33098.**	**8287.7**
Stddev	64.5	449.	136.1
%RSD	2.1483	1.3572	1.6420
#1	3064.8	33422.	8344.7
#2	2935.9	33287.	8385.9
#3	3002.4	32585.	8132.3

Sample Name: 460-131364-g-1-d@4 Acquired: 4/20/2017 21:05:28 Type: Unk
Method: xin_sw030317(v52) 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	**38740.**	**20.10**	**-.1229**	**314.9**	**2.660**	**5672.**
Stddev	347.	1.49	.7003	1.0	.065	38.
%RSD	.8945	7.429	569.8	.3082	2.456	.6677
#1	38340.	21.07	-.7604	314.5	2.593	5709.
#2	38900.	18.38	.6266	314.3	2.662	5634.
#3	38970.	20.84	-.2350	316.0	2.724	5673.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.561**	**24.04**	**73.35**	**102.3**	**88370.**	**5107.**
Stddev	.199	.24	.28	.7	289.	58.
%RSD	12.72	.9900	.3816	.6758	.3268	1.131
#1	-1.781	23.78	73.57	101.6	88670.	5040.
#2	-1.395	24.24	73.44	102.2	88090.	5138.
#3	-1.508	24.11	73.03	103.0	88340.	5142.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-1-d@4 Acquired: 4/20/2017 21:05:28 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12850.**	**758.8**	**1360.**	**75.72**	**723.3**	**1.242**
Stddev	11.	2.4	15.	.70	4.4	1.440
%RSD	.0875	.3222	1.094	.9277	.6021	116.0
#1	12860.	761.0	1344.	75.83	719.9	.6595
#2	12850.	756.2	1373.	74.98	721.6	.1842
#3	12840.	759.2	1364.	76.37	728.2	2.882
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	**3.809**	**-2.279**	**91.90**	**212.0**	**10.64**	**3.683**
Stddev	.439	1.429	.52	1.2	.57	.160
%RSD	11.52	62.68	.5628	.5445	5.368	4.348
#1	4.193	-1.186	91.36	210.8	10.53	3.498
#2	3.903	-3.896	91.97	211.9	11.26	3.777
#3	3.331	-1.756	92.39	213.1	10.14	3.773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-1-d@4 Acquired: 4/20/2017 21:05:28 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**42.70**	**58.66**	**1113.**	**1259.**
Stddev	.60	.42	3.	20.
%RSD	1.406	.7225	.2797	1.563
#1	42.11	58.21	1117.	1255.
#2	42.67	58.72	1111.	1241.
#3	43.31	59.05	1112.	1280.
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	**2963.2**	**32473.**	**8013.8**
Stddev	4.8	202.	80.0
%RSD	.16244	.62289	.99794
#1	2962.3	32240.	8097.3
#2	2968.3	32581.	8006.2
#3	2958.8	32599.	7937.9

Sample Name: SD 460-131364-g-1-d Acquired: 4/20/2017 21:09:18 Type: Unk
Method: xin_sw030317(v52) 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	**7412.**	**4.255**	**-.1986**	**60.35**	**.4910**	**1096.**
Stddev	61.	.754	.2292	.76	.0578	8.
%RSD	.8188	17.72	115.4	1.253	11.78	.7153
#1	7376.	4.501	.0224	59.59	.4286	1091.
#2	7377.	3.409	-.4352	60.37	.5018	1092.
#3	7482.	4.857	-.1831	61.10	.5427	1105.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5130**	**4.406**	**14.29**	**18.67**	**17500.**	**996.4**
Stddev	.0886	.175	.35	.59	239.	5.2
%RSD	17.28	3.962	2.479	3.171	1.366	.5208
#1	-.4770	4.208	14.16	18.28	17240.	998.1
#2	-.6140	4.539	14.02	18.38	17550.	990.5
#3	-.4481	4.469	14.69	19.35	17710.	1000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: SD 460-131364-g-1-d Acquired: 4/20/2017 21:09:18 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2537.**	**150.5**	**248.2**	**14.37**	**142.3**	**.0069**
Stddev	21.	1.7	2.3	.40	1.7	.4892
%RSD	.8203	1.129	.9213	2.787	1.189	7107.
#1	2514.	148.7	250.2	14.13	140.5	-.2137
#2	2540.	150.6	245.7	14.15	142.5	-.3332
#3	2556.	152.1	248.6	14.83	143.9	.5676
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	**1.570**	**-.8054**	**17.82**	**41.90**	**1.181**	**.3935**
Stddev	2.341	.6532	.15	.82	.566	.2312
%RSD	149.2	81.10	.8533	1.964	47.94	58.75
#1	4.236	-.3843	17.70	41.00	1.334	.3338
#2	.6232	-1.558	17.77	42.08	.5544	.6486
#3	-.1502	-.4741	17.99	42.62	1.656	.1980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: SD 460-131364-g-1-d Acquired: 4/20/2017 21:09:18 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.065**	**11.11**	**212.6**	**227.4**
Stddev	1.010	.07	2.5	11.6
%RSD	12.53	.6503	1.193	5.107
#1	9.069	11.13	210.4	214.9
#2	7.049	11.04	212.1	237.9
#3	8.077	11.18	215.4	229.2
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	**3005.3**	**32803.**	**7879.4**
Stddev	6.2	44.	50.2
%RSD	.20489	.13273	.63703
#1	3008.4	32781.	7837.3
#2	2998.2	32775.	7934.9
#3	3009.2	32853.	7866.1

Sample Name: 460-131364-g-1-f ms Acquired: 4/20/2017 21:13:13 Type: Unk
Method: xin_sw030317(v52) 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	**36500.**	**957.6**	**23.07**	**1293.**	**26.61**	**15200.**
Stddev	290.	4.1	.30	2.	.24	76.
%RSD	.7940	.4302	1.307	.1313	.8955	.4986
#1	36180.	959.9	22.75	1294.	26.35	15110.
#2	36580.	952.9	23.10	1291.	26.68	15230.
#3	36750.	960.2	23.35	1293.	26.81	15250.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23.18**	**274.5**	**164.4**	**217.1**	**80770.**	**13690.**
Stddev	.08	.8	.5	.3	165.	67.
%RSD	.3433	.2869	.3050	.1473	.2039	.4899
#1	23.09	274.3	163.8	216.7	80730.	13610.
#2	23.24	273.8	164.8	217.2	80640.	13720.
#3	23.21	275.4	164.6	217.3	80960.	13730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-1-f ms Acquired: 4/20/2017 21:13:13 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**21530.**	**925.8**	**10670.**	**324.8**	**994.3**	**227.0**
Stddev	13.	3.5	74.	.3	1.1	1.2
%RSD	.0590	.3785	.6894	.1041	.1100	.5377
#1	21540.	921.9	10590.	324.7	993.0	225.7
#2	21540.	926.8	10690.	324.5	994.8	226.9
#3	21520.	928.7	10730.	325.1	995.0	228.2
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	**963.0**	**991.9**	**327.4**	**424.2**	**248.7**	**248.9**
Stddev	4.8	4.5	1.5	2.3	1.3	.9
%RSD	.5028	.4507	.4469	.5513	.5053	.3770
#1	959.1	986.7	325.8	422.1	247.6	248.2
#2	961.6	994.3	327.9	423.8	248.4	248.5
#3	968.4	994.5	328.6	426.7	250.1	249.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-1-f ms Acquired: 4/20/2017 21:13:13 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**289.7**	**298.2**	**1293.**	**1264.**
Stddev	1.9	.5	2.	8.
%RSD	.6637	.1573	.1378	.6174
#1	287.8	298.0	1292.	1263.
#2	289.6	297.8	1292.	1272.
#3	291.7	298.7	1295.	1256.
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	**3017.2**	**33052.**	**8123.9**
Stddev	5.1	29.	47.4
%RSD	.16809	.08720	.58326
#1	3011.4	33073.	8176.7
#2	3020.4	33019.	8110.0
#3	3019.9	33062.	8085.1

Sample Name: PDS 460-131364-g-1-d Acquired: 4/20/2017 21:16:53 Type: Unk
Method: xin_sw030317(v52) 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	**39050.**	**1891.**	**45.62**	**2276.**	**50.67**	**24470.**
Stddev	185.	2.	.25	3.	.12	33.
%RSD	.4736	.1311	.5390	.1232	.2436	.1333
#1	38890.	1892.	45.36	2276.	50.53	24440.
#2	39000.	1888.	45.85	2273.	50.68	24500.
#3	39250.	1892.	45.64	2278.	50.78	24460.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46.80**	**515.3**	**267.0**	**339.0**	**85740.**	**23200.**
Stddev	.03	.9	.7	.9	617.	148.
%RSD	.0689	.1674	.2806	.2709	.7191	.6397
#1	46.83	516.2	266.3	339.6	85050.	23030.
#2	46.77	514.5	267.8	338.0	85940.	23280.
#3	46.81	515.3	266.8	339.6	86240.	23290.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: PDS 460-131364-g-1-d Acquired: 4/20/2017 21:16:53 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**31030.**	**1219.**	**20250.**	**569.4**	**1179.**	**444.7**
Stddev	200.	5.	13.	1.1	6.	1.7
%RSD	.6437	.3925	.0638	.1906	.4752	.3892
#1	30800.	1215.	20240.	569.8	1174.	446.5
#2	31110.	1218.	20260.	568.2	1178.	443.0
#3	31170.	1224.	20250.	570.2	1185.	444.5
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	**1902.**	**1953.**	**570.5**	**693.2**	**488.3**	**495.9**
Stddev	10.	6.	2.8	4.4	2.3	1.4
%RSD	.5161	.3016	.4990	.6279	.4777	.2882
#1	1909.	1954.	569.0	688.2	488.2	496.5
#2	1907.	1958.	568.8	696.5	490.6	496.9
#3	1891.	1946.	573.8	694.8	486.0	494.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: PDS 460-131364-g-1-d Acquired: 4/20/2017 21:16:53 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**532.0**	**544.2**	**1574.**	**1241.**
Stddev	2.1	2.5	3.	17.
%RSD	.4016	.4571	.1697	1.331
#1	529.9	546.7	1571.	1222.
#2	534.2	541.7	1575.	1251.
#3	531.9	544.2	1576.	1250.
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	**3001.2**	**32640.**	**8130.3**
Stddev	10.2	24.	27.3
%RSD	.34082	.07298	.33617
#1	2990.3	32613.	8101.0
#2	3002.6	32657.	8134.8
#3	3010.6	32650.	8155.1

Sample Name: 460-131364-g-3-d@4 Acquired: 4/20/2017 21:20:32 Type: Unk
Method: xin_sw030317(v52) 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	**24110.**	**4.008**	**-.3938**	**133.9**	**1.692**	**3256.**
Stddev	48.	1.844	.2341	.8	.049	15.
%RSD	.2008	46.01	59.45	.6272	2.892	.4672
#1	24060.	4.110	-.5910	133.0	1.702	3239.
#2	24110.	5.799	-.4554	134.6	1.735	3262.
#3	24150.	2.115	-.1350	134.3	1.639	3267.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8773**	**13.15**	**54.67**	**45.14**	**39290.**	**4763.**
Stddev	.0859	.17	.77	.49	155.	27.
%RSD	9.791	1.310	1.415	1.093	.3934	.5576
#1	-.7788	13.03	54.54	45.34	39140.	4733.
#2	-.9163	13.07	53.96	44.58	39280.	4776.
#3	-.9368	13.35	55.49	45.51	39450.	4781.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-3-d@4 Acquired: 4/20/2017 21:20:32 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**7387.**	**919.6**	**1346.**	**36.43**	**16.81**	**.9847**
Stddev	43.	2.0	8.	.01	.74	.9692
%RSD	.5827	.2141	.5821	.0396	4.426	98.43
#1	7395.	917.4	1344.	36.42	16.84	1.370
#2	7341.	920.2	1354.	36.42	16.05	1.702
#3	7426.	921.2	1339.	36.45	17.54	-.1179
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	**2.334**	**-1.830**	**62.93**	**73.32**	**5.533**	**.6794**
Stddev	.527	1.203	.37	.63	.344	.1605
%RSD	22.59	65.75	.5820	.8556	6.214	23.63
#1	2.261	-1.115	62.82	72.60	5.904	.7697
#2	2.894	-3.219	62.64	73.65	5.225	.7744
#3	1.847	-1.156	63.34	73.71	5.470	.4940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-3-d@4 Acquired: 4/20/2017 21:20:32 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.464**	**14.05**	**1033.**	**1233.**
Stddev	.238	.08	8.	34.
%RSD	4.361	.5674	.7918	2.725
#1	5.601	13.96	1024.	1228.
#2	5.603	14.09	1038.	1203.
#3	5.189	14.09	1039.	1270.
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	**3012.3**	**32683.**	**8103.2**
Stddev	3.1	114.	36.5
%RSD	.10396	.34907	.45088
#1	3014.7	32552.	8063.8
#2	3013.4	32757.	8136.0
#3	3008.8	32740.	8109.8

Sample Name: CCB Acquired: 4/20/2017 21:28:10 Type: QC
Method: xin_sw030317(v52) 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	**6.283**	**1.181**	**.1241**	**.1010**	**.0470**	**-16.77**
Stddev	5.416	1.382	.3237	.0578	.0347	.52
%RSD	86.21	117.0	260.9	57.17	73.79	3.120
#1	3.855	-.3980	.1600	.1593	.0119	-17.37
#2	12.49	2.169	-.2161	.0438	.0478	-16.56
#3	2.505	1.771	.4282	.0999	.0813	-16.39
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1673**	**-.0815**	**.2632**	**-.9174**	**12.49**	**16.19**
Stddev	.0789	.1149	.3745	.2539	7.22	14.04
%RSD	47.14	141.1	142.3	27.68	57.81	86.70
#1	-.0801	-.0495	.1127	-.8161	4.467	20.34
#2	-.1881	.0141	.6895	-1.206	18.47	.5479
#3	-.2337	-.2090	-.0126	-.7297	14.53	27.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 21:28:10 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1.276**	**-.0047**	**-9.461**	**-.2409**	**.7478**	**1.283**
Stddev	1.771	.0777	11.05	.3107	.6437	.908
%RSD	138.8	1652.	116.7	129.0	86.08	70.78
#1	3.315	-.0189	2.452	-.4448	1.107	1.960
#2	.3838	.0791	-11.47	-.3946	.0047	1.636
#3	.1280	-.0743	-19.36	.1166	1.132	.2512
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	**3.008**	**-1.697**	**.4768**	**.0966**	**-.0450**	**.6373**
Stddev	1.168	.486	.0524	.0599	.4337	.3613
%RSD	38.82	28.66	10.99	61.94	962.9	56.69
#1	2.523	-2.177	.5096	.0282	.3578	1.055
#2	4.340	-1.205	.4163	.1391	-.5042	.4288
#3	2.161	-1.709	.5043	.1226	.0113	.4286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/20/2017 21:28:10 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4921**	**.0731**	**.2823**	**14.92**
Stddev	.3887	.0892	.2663	10.16
%RSD	78.98	122.1	94.32	68.13
#1	.5543	.1504	.5733	18.05
#2	.0761	.0935	.2226	23.15
#3	.8460	-.0246	.0510	3.558
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	**2884.0**	**31713.**	**7618.4**
Stddev	1.2	157.	47.5
%RSD	.04052	.49584	.62405
#1	2882.7	31837.	7641.8
#2	2884.3	31536.	7563.7
#3	2884.9	31766.	7649.7

Sample Name: CCVL Acquired: 4/20/2017 21:32:13 Type: QC
Method: xin_sw030317(v52) 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	**231.0**	**15.27**	**10.05**	**217.4**	**2.084**	**5262.**
Stddev	5.1	.90	.39	.3	.054	15.
%RSD	2.194	5.918	3.835	.1172	2.577	.2916
#1	236.0	14.84	10.15	217.7	2.090	5260.
#2	231.2	16.31	9.621	217.2	2.134	5278.
#3	225.9	14.66	10.37	217.3	2.027	5248.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.192**	**54.89**	**11.07**	**24.77**	**162.3**	**4922.**
Stddev	.077	.35	.69	.41	11.1	45.
%RSD	1.840	.6365	6.208	1.672	6.813	.9101
#1	4.169	54.49	10.34	24.49	149.5	4870.
#2	4.129	55.04	11.71	24.58	168.9	4950.
#3	4.278	55.13	11.15	25.25	168.4	4946.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 21:32:13 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5160.**	**16.46**	**5004.**	**44.73**	**10.90**	**21.67**
Stddev	33.	.20	19.	.55	2.06	.87
%RSD	.6453	1.208	.3804	1.234	18.88	3.992
#1	5129.	16.23	4987.	44.09	11.21	20.67
#2	5157.	16.57	5000.	44.97	8.705	22.22
#3	5195.	16.57	5025.	45.11	12.78	22.12
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	**22.36**	**24.89**	**52.91**	**32.14**	**52.45**	**21.24**
Stddev	1.03	.42	.41	.58	.26	.09
%RSD	4.611	1.684	.7766	1.793	.4922	.4341
#1	21.18	24.86	52.44	31.48	52.17	21.34
#2	23.09	25.32	53.20	32.49	52.51	21.16
#3	22.81	24.48	53.08	32.46	52.68	21.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/20/2017 21:32:13 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**53.28**	**21.18**	**23.09**	F **9.595**
Stddev	.77	.27	.29	5.090
%RSD	1.440	1.266	1.256	53.05
#1	52.40	21.00	23.02	12.58
#2	53.81	21.48	22.84	3.718
#3	53.64	21.05	23.41	12.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2941.8**	**31977.**	**7867.2**
Stddev	11.6	155.	11.8
%RSD	.39499	.48420	.15034
#1	2929.9	31834.	7854.0
#2	2942.4	31955.	7871.0
#3	2953.1	32141.	7876.7

Sample Name: 460-131364-f-4-d@4 Acquired: 4/20/2017 21:36:12 Type: Unk
Method: xin_sw030317(v52) 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	**47100.**	**29.23**	**.3596**	**129.6**	**2.704**	**17220.**
Stddev	103.	1.35	.3135	.4	.028	82.
%RSD	.2195	4.621	87.19	.3280	1.048	.4756
#1	46990.	30.77	.0036	129.2	2.732	17210.
#2	47200.	28.26	.4803	129.4	2.707	17130.
#3	47100.	28.65	.5948	130.1	2.675	17300.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.582**	**33.79**	**92.05**	**50.66**	**105300.**	**8298.**
Stddev	.123	.10	1.03	.41	649.	31.
%RSD	7.772	.3063	1.119	.8039	.6161	.3703
#1	-1.451	33.70	91.24	50.36	104900.	8330.
#2	-1.599	33.91	91.71	51.12	104900.	8269.
#3	-1.695	33.77	93.21	50.49	106000.	8295.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-f-4-d@4 Acquired: 4/20/2017 21:36:12 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**18790.**	**3675.**	**4147.**	**84.24**	**58.44**	**-.6502**
Stddev	78.	16.	13.	.56	1.32	1.372
%RSD	.4165	.4324	.3021	.6648	2.265	211.1
#1	18750.	3670.	4142.	83.83	59.34	-1.158
#2	18740.	3663.	4137.	84.88	56.92	.9037
#3	18880.	3693.	4161.	84.01	59.05	-1.696
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	**5.596**	**-1.903**	**110.0**	**220.7**	**60.95**	**2.066**
Stddev	1.432	1.013	1.4	.8	.46	.056
%RSD	25.58	53.24	1.231	.3590	.7592	2.690
#1	6.523	-2.808	108.7	219.9	61.28	2.016
#2	3.947	-.8083	109.9	220.8	60.42	2.058
#3	6.317	-2.094	111.4	221.5	61.14	2.126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-f-4-d@4 Acquired: 4/20/2017 21:36:12 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.439**	**113.5**	**886.1**	**1275.**
Stddev	.972	.2	5.9	34.
%RSD	11.51	.1895	.6702	2.632
#1	7.769	113.5	883.6	1236.
#2	7.994	113.6	881.8	1293.
#3	9.553	113.2	892.9	1295.
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	**3053.4**	**33120.**	**8315.1**
Stddev	4.3	132.	13.7
%RSD	.14173	.39931	.16498
#1	3054.3	33097.	8300.7
#2	3057.2	33262.	8327.9
#3	3048.7	33000.	8316.7

Sample Name: 460-131364-f-5-d@4 Acquired: 4/20/2017 21:40:01 Type: Unk
Method: xin_sw030317(v52) 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	**6765.**	**91.17**	**.4009**	**327.5**	**.9153**	**10940.**
Stddev	68.	1.06	.2375	.7	.0098	100.
%RSD	1.005	1.165	59.22	.2140	1.069	.9167
#1	6771.	90.96	.1659	326.8	.9259	10820.
#2	6694.	92.33	.3962	327.4	.9067	11000.
#3	6830.	90.24	.6407	328.2	.9132	10990.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.255**	**27.57**	**62.96**	**432.9**	**173400.**	**6490.**
Stddev	.167	.03	.48	5.3	1273.	25.
%RSD	5.132	.0911	.7553	1.220	.7341	.3838
#1	-3.171	27.58	62.43	427.3	171900.	6487.
#2	-3.448	27.54	63.35	433.8	174300.	6467.
#3	-3.148	27.58	63.10	437.8	173900.	6517.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-f-5-d@4 Acquired: 4/20/2017 21:40:01 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1941.**	**200.3**	**4314.**	**39.08**	**555.6**	**2.771**
Stddev	18.	1.6	24.	.75	3.8	1.066
%RSD	.9390	.7767	.5671	1.906	.6810	38.47
#1	1921.	198.5	4328.	38.26	551.2	1.895
#2	1947.	200.8	4286.	39.70	557.3	3.958
#3	1956.	201.5	4328.	39.28	558.2	2.459
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	**10.62**	**-6.019**	**122.9**	**79.23**	**10.16**	**18.24**
Stddev	1.97	2.254	1.1	.60	.46	.22
%RSD	18.56	37.45	.8691	.7556	4.496	1.226
#1	8.371	-8.603	121.7	78.83	10.26	18.06
#2	12.05	-4.996	123.7	78.94	9.661	18.18
#3	11.43	-4.457	123.2	79.92	10.56	18.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-f-5-d@4 Acquired: 4/20/2017 21:40:01 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**73.16**	**202.9**	**2050.**	**1648.**
Stddev	1.45	1.4	15.	23.
%RSD	1.976	.7027	.7332	1.390
#1	72.10	202.8	2034.	1674.
#2	72.58	201.5	2055.	1634.
#3	74.81	204.3	2062.	1635.
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	**2857.7**	**31475.**	**7760.7**
Stddev	3.0	23.	41.6
%RSD	.10370	.07307	.53578
#1	2857.6	31487.	7760.5
#2	2854.8	31449.	7802.4
#3	2860.7	31491.	7719.3

Sample Name: 460-131364-g-7-b@4 Acquired: 4/20/2017 21:47:43 Type: Unk
Method: xin_sw030317(v52) 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	**37300.**	**18.24**	**-.5677**	**168.6**	**2.604**	**37390.**
Stddev	240.	1.64	.5565	.2	.058	17.
%RSD	.6426	8.976	98.04	.1196	2.235	.0458
#1	37500.	17.36	-.6614	168.4	2.604	37410.
#2	37360.	17.23	-1.071	168.6	2.545	37390.
#3	37030.	20.13	.0298	168.8	2.661	37370.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9511**	**26.23**	**86.93**	**130.9**	**52870.**	**4123.**
Stddev	.0956	.12	.68	1.1	123.	6.
%RSD	10.06	.4484	.7782	.8238	.2334	.1487
#1	-.9807	26.11	86.15	129.8	52770.	4130.
#2	-.8441	26.23	87.26	132.0	53000.	4117.
#3	-1.028	26.35	87.38	131.0	52830.	4123.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-7-b@4 Acquired: 4/20/2017 21:47:43 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**17040.**	**853.8**	**1916.**	**64.94**	**115.5**	**1.106**
Stddev	48.	.8	10.	.47	.1	.769
%RSD	.2814	.0960	.5304	.7275	.1247	69.47
#1	16990.	853.3	1907.	64.60	115.6	1.860
#2	17080.	853.5	1913.	65.48	115.5	1.136
#3	17050.	854.8	1927.	64.74	115.4	.3233
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	**3.941**	**-1.617**	**109.8**	**224.2**	**14.61**	**4.765**
Stddev	1.724	2.334	1.0	1.9	.23	.035
%RSD	43.75	144.3	.8991	.8452	1.568	.7443
#1	2.578	-4.312	108.7	222.0	14.59	4.783
#2	5.879	-.2592	110.1	224.8	14.86	4.788
#3	3.367	-.2797	110.6	225.6	14.40	4.724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-7-b@4 Acquired: 4/20/2017 21:47:43 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**42.52**	**65.85**	**1731.**	**3799.**
Stddev	.36	.49	6.	97.
%RSD	.8475	.7385	.3383	2.545
#1	42.42	66.26	1733.	3884.
#2	42.93	65.99	1735.	3820.
#3	42.23	65.31	1724.	3694.
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	**2968.0**	**32216.**	**8034.3**
Stddev	20.0	152.	92.9
%RSD	.67252	.47304	1.1564
#1	2950.8	32059.	7932.7
#2	2963.4	32226.	8055.1
#3	2989.9	32363.	8115.0

Sample Name: 460-131364-g-8-b@4 Acquired: 4/20/2017 21:51:34 Type: Unk
Method: xin_sw030317(v52) 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	**56760.**	**13.10**	**-.1189**	**425.3**	**3.392**	**6040.**
Stddev	402.	.48	.3439	2.0	.051	51.
%RSD	.7085	3.652	289.1	.4745	1.493	.8434
#1	56630.	12.56	.1443	423.5	3.447	5981.
#2	56440.	13.49	.0069	424.9	3.348	6068.
#3	57210.	13.23	-.5080	427.4	3.379	6071.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.379**	**36.18**	**76.58**	**58.68**	**74680.**	**3377.**
Stddev	.124	.40	.91	.13	590.	31.
%RSD	9.023	1.116	1.189	.2292	.7905	.9219
#1	-1.243	36.11	75.54	58.53	74000.	3408.
#2	-1.486	35.82	76.96	58.80	75020.	3346.
#3	-1.409	36.62	77.23	58.71	75030.	3378.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-8-b@4 Acquired: 4/20/2017 21:51:34 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**11950.**	**1771.**	**1554.**	**66.68**	**352.1**	**.7150**
Stddev	57.	13.	8.	.66	3.2	.9412
%RSD	.4809	.7482	.4889	.9957	.9077	131.6
#1	11880.	1756.	1553.	66.24	350.8	1.797
#2	12000.	1778.	1547.	66.35	349.7	.0857
#3	11960.	1779.	1562.	67.44	355.7	.2623
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	**4.366**	**-1.703**	**91.57**	**188.2**	**11.67**	**2.275**
Stddev	.721	.720	1.34	1.2	.77	.221
%RSD	16.52	42.28	1.461	.6425	6.622	9.724
#1	4.563	-1.334	90.24	187.3	10.88	2.193
#2	3.567	-1.242	91.57	187.8	11.69	2.526
#3	4.969	-2.532	92.92	189.6	12.43	2.107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-8-b@4 Acquired: 4/20/2017 21:51:34 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.867**	**37.51**	**848.9**	**1631.**
Stddev	.268	.07	6.6	23.
%RSD	3.024	.1779	.7779	1.429
#1	9.086	37.45	842.2	1617.
#2	8.945	37.51	849.2	1619.
#3	8.568	37.58	855.4	1658.
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	**3184.7**	**34525.**	**8647.1**
Stddev	9.6	135.	30.2
%RSD	.30248	.39132	.34930
#1	3193.6	34616.	8633.5
#2	3186.0	34370.	8681.7
#3	3174.5	34589.	8626.0

Sample Name: 460-131364-g-10-c@4 Acquired: 4/20/2017 21:55:24 Type: Unk
Method: xin_sw030317(v52) 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	**48180.**	**42.29**	**.0357**	**391.3**	**3.346**	**33040.**
Stddev	236.	1.26	.1917	.1	.033	116.
%RSD	.4891	2.987	537.4	.0205	.9860	.3518
#1	47960.	40.84	-.0656	391.4	3.384	32960.
#2	48150.	43.01	-.0841	391.4	3.331	33170.
#3	48430.	43.04	.2567	391.3	3.323	32990.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.569**	**55.45**	**87.36**	**190.8**	**120000.**	**10570.**
Stddev	.088	.35	.78	1.0	518.	44.
%RSD	5.610	.6224	.8905	.5207	.4319	.4166
#1	-1.509	55.49	86.60	189.7	119700.	10540.
#2	-1.670	55.09	88.16	191.5	120600.	10540.
#3	-1.528	55.78	87.33	191.3	119700.	10620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-10-c@4 Acquired: 4/20/2017 21:55:24 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**15290.**	**1490.**	**2833.**	**118.3**	**265.1**	**.7955**
Stddev	79.	6.	13.	.2	1.5	.3962
%RSD	.5160	.3799	.4684	.1529	.5632	49.81
#1	15300.	1488.	2821.	118.5	266.1	.6004
#2	15370.	1497.	2830.	118.2	265.8	1.251
#3	15210.	1486.	2847.	118.2	263.4	.5347
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	**6.760**	**-2.263**	**126.8**	**640.5**	**23.28**	**3.157**
Stddev	1.612	.227	1.1	1.6	.44	.173
%RSD	23.85	10.02	.8360	.2564	1.868	5.473
#1	4.995	-2.045	125.6	638.7	22.91	3.222
#2	7.128	-2.246	127.4	640.9	23.18	3.288
#3	8.156	-2.498	127.5	642.0	23.76	2.961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-10-c@4 Acquired: 4/20/2017 21:55:24 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**24.32**	**62.59**	**2747.**	**1477.**
Stddev	.46	.25	11.	17.
%RSD	1.902	.4024	.4057	1.143
#1	24.00	62.38	2741.	1489.
#2	24.11	62.53	2760.	1484.
#3	24.85	62.87	2739.	1458.
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	**2978.2**	**32408.**	**8056.0**
Stddev	3.3	128.	43.0
%RSD	.11112	.39527	.53403
#1	2979.5	32428.	8095.5
#2	2974.5	32270.	8062.2
#3	2980.7	32524.	8010.1

Sample Name: 460-131364-g-11-e@4 Acquired: 4/20/2017 21:59:12 Type: Unk
Method: xin_sw030317(v52) 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	**24160.**	**7.356**	**.1198**	**120.3**	**1.439**	**4156.**
Stddev	68.	.338	.3265	.3	.077	12.
%RSD	.2833	4.587	272.5	.2773	5.329	.2979
#1	24110.	7.721	.2749	120.5	1.396	4144.
#2	24240.	7.294	-.2553	120.6	1.393	4156.
#3	24140.	7.054	.3397	120.0	1.528	4169.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8609**	**17.77**	**46.13**	**44.92**	**40840.**	**2600.**
Stddev	.0435	.18	.54	.38	71.	26.
%RSD	5.054	1.021	1.175	.8416	.1731	1.012
#1	-.8438	17.56	46.20	45.33	40910.	2618.
#2	-.9103	17.83	46.64	44.59	40770.	2613.
#3	-.8285	17.91	45.56	44.84	40830.	2570.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-11-e@4 Acquired: 4/20/2017 21:59:12 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

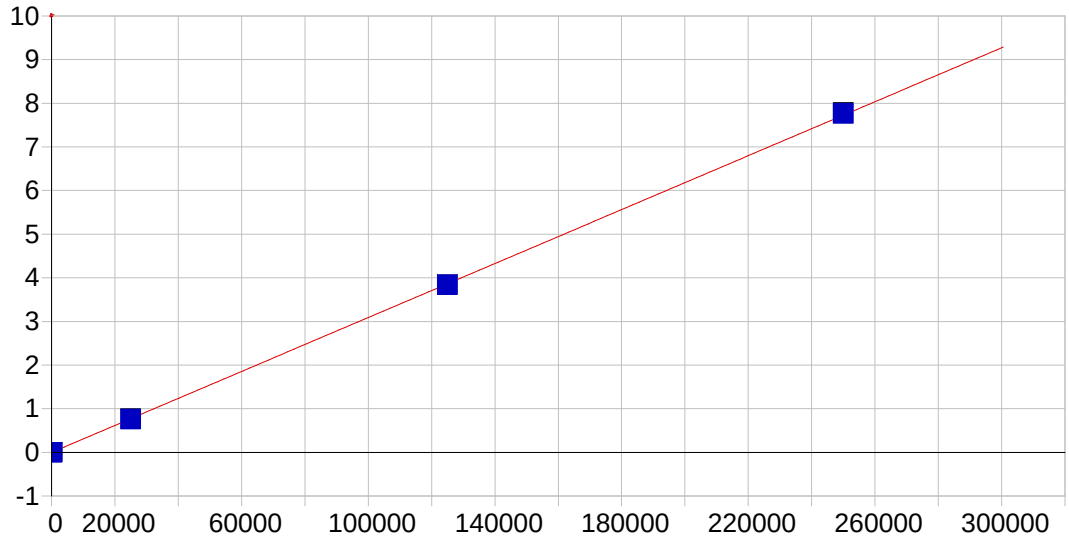
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6912.**	**883.3**	**1197.**	**46.38**	**23.16**	**1.326**
Stddev	27.	2.8	9.	.46	.74	.885
%RSD	.3966	.3227	.7452	.9907	3.192	66.73
#1	6900.	881.4	1203.	45.93	23.01	1.724
#2	6893.	881.8	1201.	46.85	23.97	.3122
#3	6944.	886.5	1187.	46.38	22.52	1.943
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	**3.441**	**-1.136**	**57.48**	**70.19**	**5.682**	**.6996**
Stddev	1.760	1.029	.71	.40	.896	.3250
%RSD	51.14	90.57	1.231	.5736	15.77	46.46
#1	4.124	-.0299	57.78	69.92	5.970	.7470
#2	1.442	-1.314	57.98	70.01	6.398	.9983
#3	4.757	-2.064	56.67	70.66	4.677	.3535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-g-11-e@4 Acquired: 4/20/2017 21:59:12 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.347**	**24.13**	**806.0**	**1497.**
Stddev	.343	.13	4.1	13.
%RSD	5.401	.5570	.5079	.8682
#1	6.004	24.12	810.3	1487.
#2	6.348	24.27	805.5	1492.
#3	6.690	24.00	802.1	1512.
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	**2956.9**	**32417.**	**7946.9**
Stddev	17.7	75.	11.9
%RSD	.59991	.23003	.15001
#1	2936.5	32331.	7944.6
#2	2965.2	32468.	7959.7
#3	2969.0	32451.	7936.2

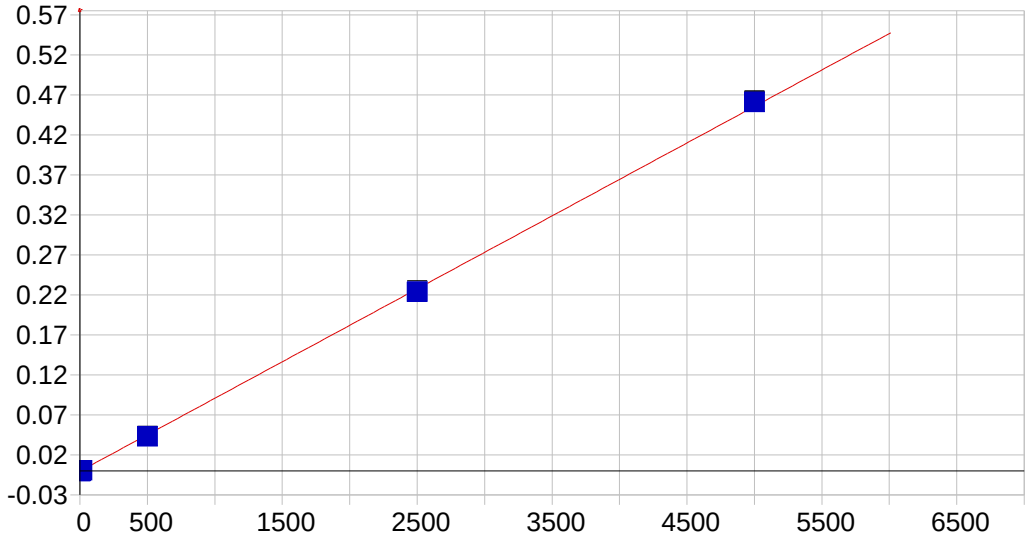


Al 396.152 { 85}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000229	Re-Slope:	1.000000
A1 (Gain):	0.000031	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999977	Status:	OK.
Std Error of Est:	0.000076		
Predicted MDL:	13.791291		
Predicted MQL:	45.970971		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.02012	-.020	.000	-.00023	.000	1
CAL2	200.00	223.26	23.3	11.6	.00669	.000	1
CAL3	25000.	24660.	-340.	-1.36	.76254	.001	1
CAL4	125000.	124170.	-833.	-.666	3.8404	.008	1
CAL5	250000.	251150.	1150.	.460	7.7681	.017	1

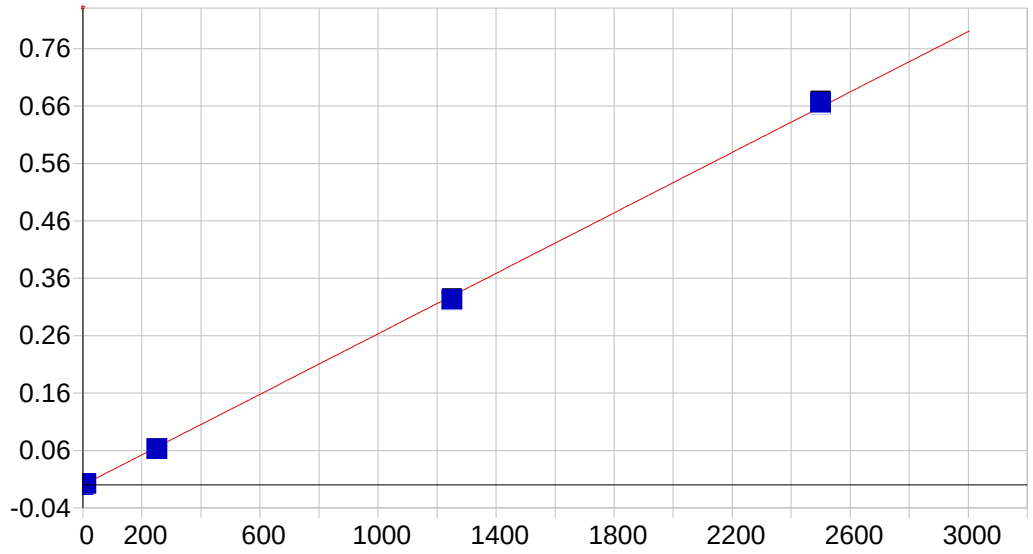


As 189.042 {478}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000423	Re-Slope:	1.000000
A1 (Gain):	0.000091	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999848	Status:	OK.
Std Error of Est:	0.000012		
Predicted MDL:	2.062396		
Predicted MQL:	6.874654		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00055	.001	.000	-.00042	.000	1
CAL2	15.000	15.411	.411	2.74	.00098	.000	1
CAL3	500.00	477.14	-22.9	-4.57	.04303	.000	1
CAL4	2500.0	2461.6	-38.4	-1.54	.22377	.001	1
CAL5	5000.0	5061.3	61.3	1.23	.46054	.001	1
CAL1	5.0000	4.5565	-.444	-8.87	-.00001	.000	1

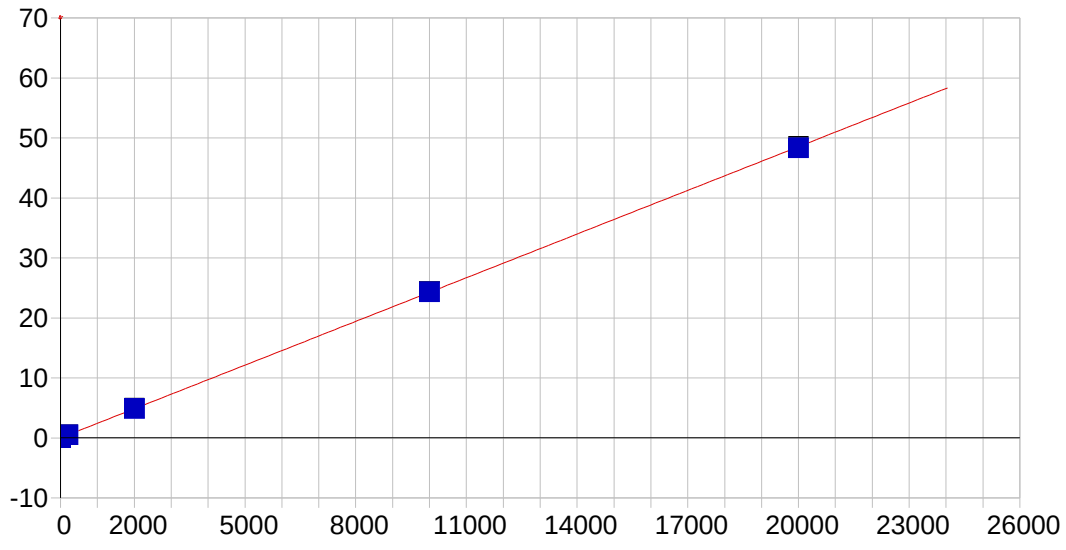


Ag 328.068 {103}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000055	Re-Slope:	1.000000
A1 (Gain):	0.000263	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999851	Status:	OK.
Std Error of Est:	0.000037		
Predicted MDL:	0.629142		
Predicted MQL:	2.097140		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00076	.001	.000	-.00006	.000	1
CAL2	10.000	9.7017	-.298	-2.98	.00247	.000	1
CAL3	250.00	239.41	-10.6	-4.24	.06260	.000	1
CAL4	1250.0	1229.6	-20.4	-1.63	.32181	.000	1
CAL5	2500.0	2531.3	31.3	1.25	.66265	.002	1

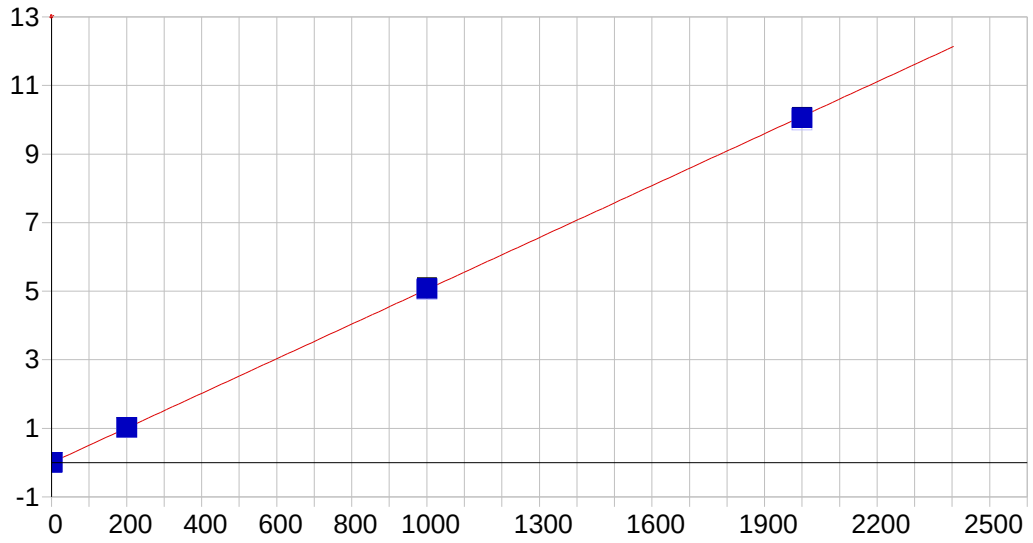


Ba 233.527 {445}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000070	Re-Slope:	1.000000
A1 (Gain):	0.002427	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999981	Status:	OK.
Std Error of Est:	0.001548		
Predicted MDL:	0.137908		
Predicted MQL:	0.459692		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01352	-.014	.000	.00004	.000	1
CAL2	200.00	211.48	11.5	5.74	.51308	.002	1
CAL3	2000.0	2020.0	20.0	.998	4.8928	.012	1
CAL4	10000.	10036.	36.5	.365	24.310	.019	1
CAL5	20000.	19932.	-67.9	-.340	48.278	.193	1

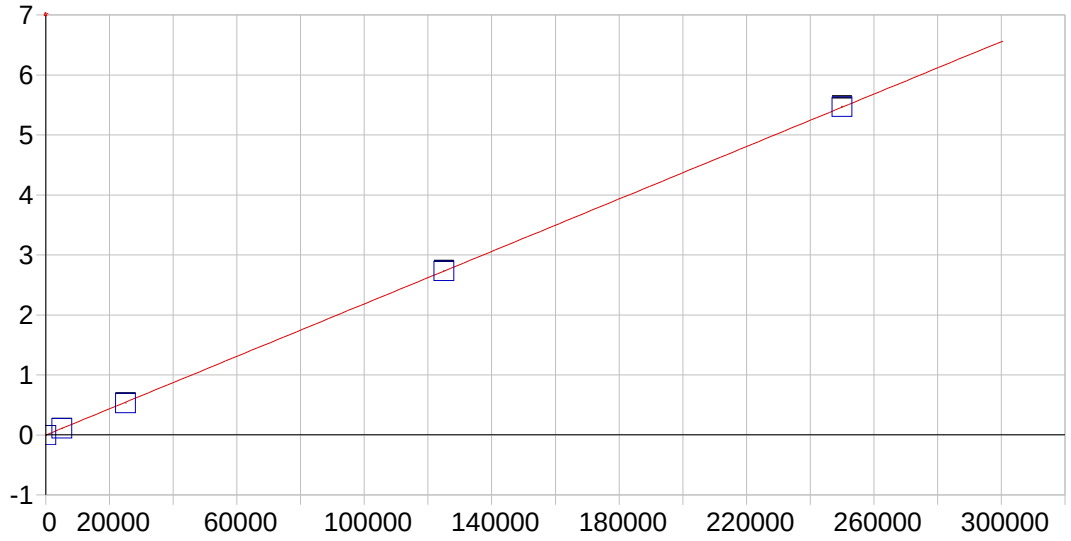


Be 313.042 {108}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000267	Re-Slope:	1.000000
A1 (Gain):	0.005049	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999984	Status:	OK.
Std Error of Est:	0.000093		
Predicted MDL:	0.083678		
Predicted MQL:	0.278928		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00012	-.000	.000	.00027	.000	1
CAL2	2.0000	2.0944	.094	4.72	.01077	.000	1
CAL3	200.00	202.20	2.20	1.10	1.0138	.001	1
CAL4	1000.0	1006.1	6.09	.609	5.0432	.010	1
CAL5	2000.0	1991.6	-8.39	-.419	9.9822	.009	1

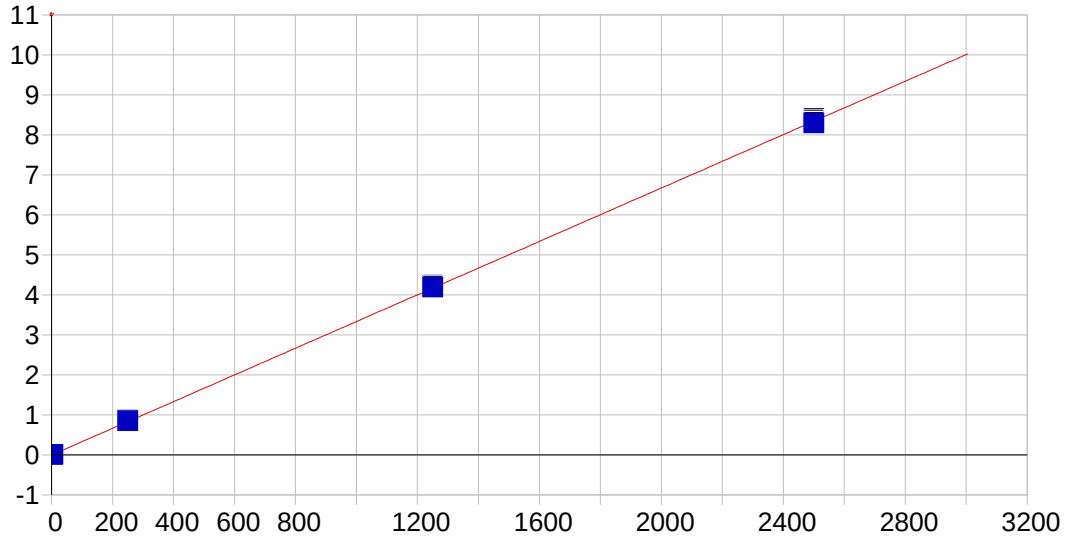


Ca 318.128 {106}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001790	Re-Slope:	1.000000
A1 (Gain):	0.000022	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999977	Status:	OK.
Std Error of Est:	0.000274		
Predicted MDL:	7.035286		
Predicted MQL:	23.450952		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.01354	.014	.000	-.00179	.000	1
CAL2	5000.0	5098.3	98.3	1.97	.10963	.000	1
CAL3	25000.	24364.	-636.	-2.54	.53066	.002	1
CAL4	125000.	125230.	227.	.181	2.7349	.008	1
CAL5	250000.	250310.	310.	.124	5.4684	.017	1

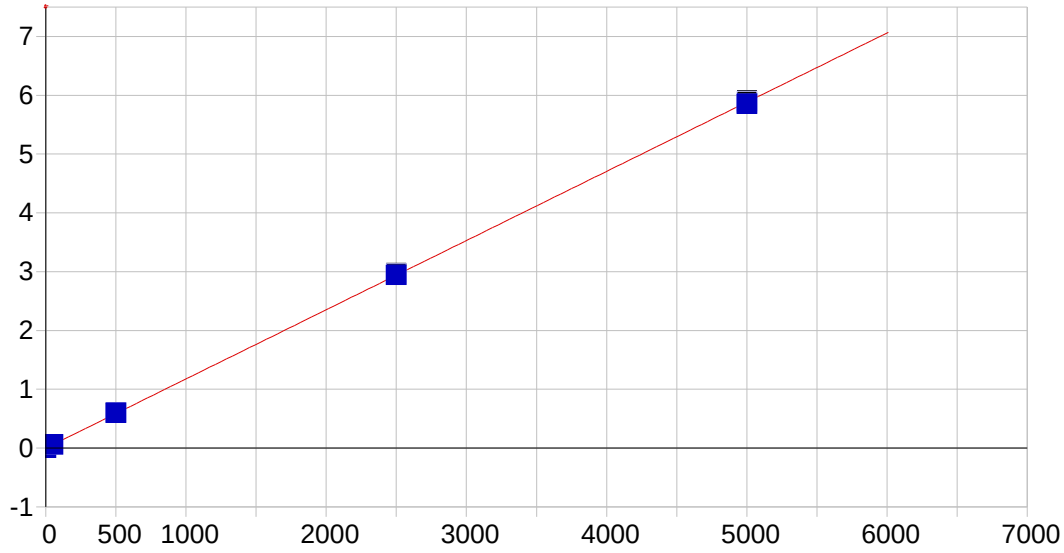


Cd 226.502 {449}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002951	Re-Slope:	1.000000
A1 (Gain):	0.003338	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999968	Status:	OK.
Std Error of Est:	0.000139		
Predicted MDL:	0.122038		
Predicted MQL:	0.406795		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00024	-.000	.000	-.00295	.000	1
CAL2	4.0000	4.1447	.145	3.62	.01095	.000	1
CAL3	250.00	256.20	6.20	2.48	.86126	.001	1
CAL4	1250.0	1256.5	6.48	.519	4.2362	.005	1
CAL5	2500.0	2487.2	-12.8	-.513	8.3893	.015	1

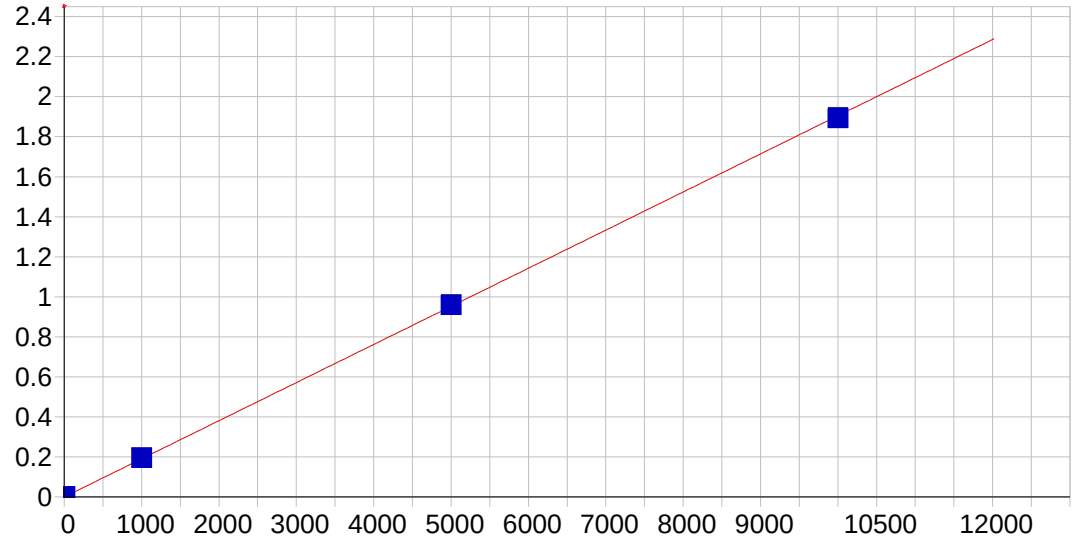


Co 228.616 {447}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000771	Re-Slope:	1.000000
A1 (Gain):	0.001177	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999959	Status:	OK.
Std Error of Est:	0.000277		
Predicted MDL:	0.290081		
Predicted MQL:	0.966937		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00504	-.005	.000	-.00078	.000	1
CAL2	50.000	54.036	4.04	8.07	.06283	.000	1
CAL3	500.00	510.98	11.0	2.20	.60446	.001	1
CAL4	2500.0	2505.8	5.75	.230	2.9675	.004	1
CAL5	5000.0	4979.3	-20.7	-.415	5.8978	.012	1

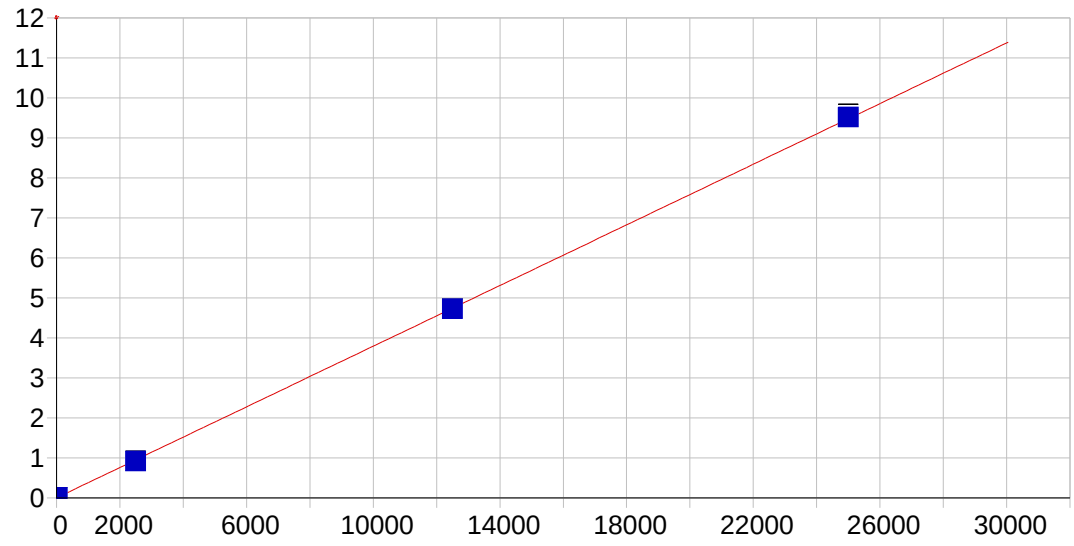


Cr 267.716 {126}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000024	Re-Slope:	1.000000
A1 (Gain):	0.000190	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999960	Status:	OK.
Std Error of Est:	0.000028		
Predicted MDL:	0.546106		
Predicted MQL:	1.820352		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00102	-.001	.000	.00002	.000	1
CAL2	10.000	10.782	.782	7.82	.00209	.000	1
CAL3	1000.0	1022.7	22.7	2.27	.19484	.001	1
CAL4	5000.0	5039.3	39.3	.786	.95998	.000	1
CAL5	10000.	9937.2	-62.8	-.628	1.8930	.003	1

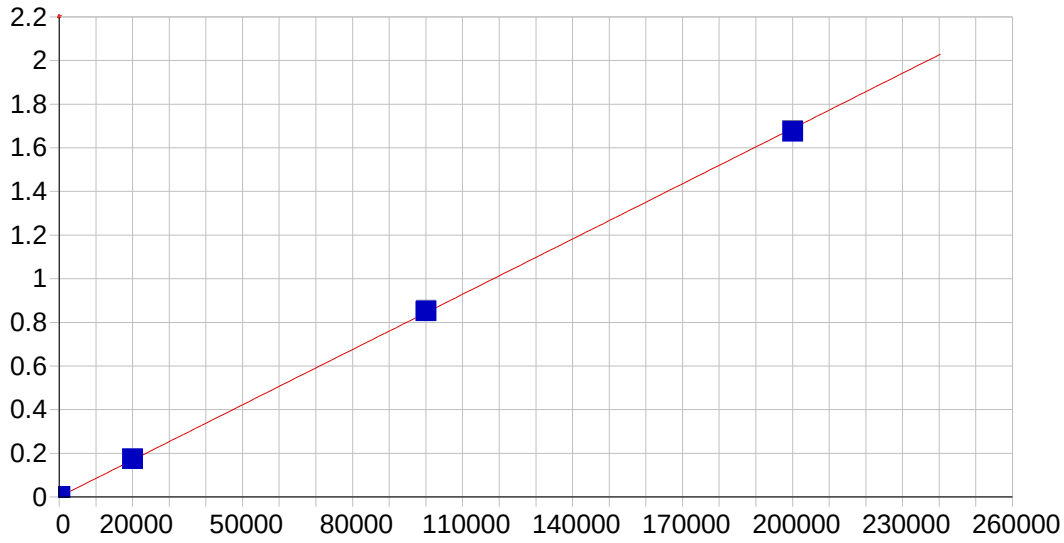


Cu 324.754 {104}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002784	Re-Slope:	1.000000
A1 (Gain):	0.000379	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999958	Status:	OK.
Std Error of Est:	0.000142		
Predicted MDL:	0.423663		
Predicted MQL:	1.412211		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00050	.000	.000	.00278	.000	1
CAL2	25.000	25.284	.284	1.14	.01236	.000	1
CAL3	2500.0	2416.4	-83.6	-3.34	.91835	.005	1
CAL4	12500.	12471.	-29.1	-.233	4.7280	.001	1
CAL5	25000.	25112.	112.	.450	9.5179	.072	1

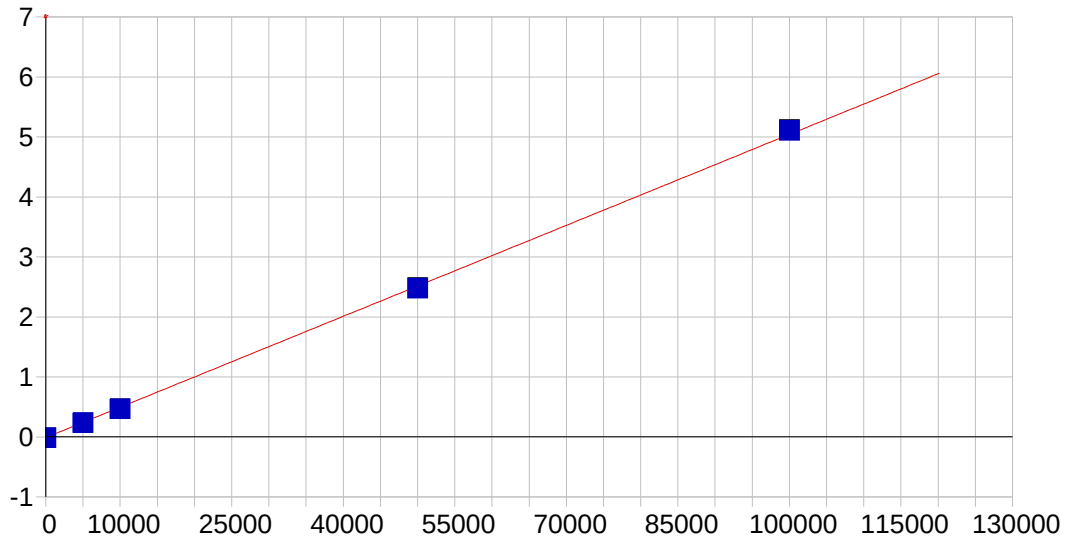


Fe 271.441 {124}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000132	Re-Slope:	1.000000
A1 (Gain):	0.000008	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999925	Status:	OK.
Std Error of Est:	0.000029		
Predicted MDL:	12.155057		
Predicted MQL:	40.516858		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.01425	-.014	.000	.00013	.000	1
CAL2	150.00	158.77	8.77	5.85	.00150	.000	1
CAL3	20000.	20709.	709.	3.54	.17530	.001	1
CAL4	100000.	100940.	937.	.937	.85397	.001	1
CAL5	200000.	198350.	-1650.	-.827	1.6780	.002	1

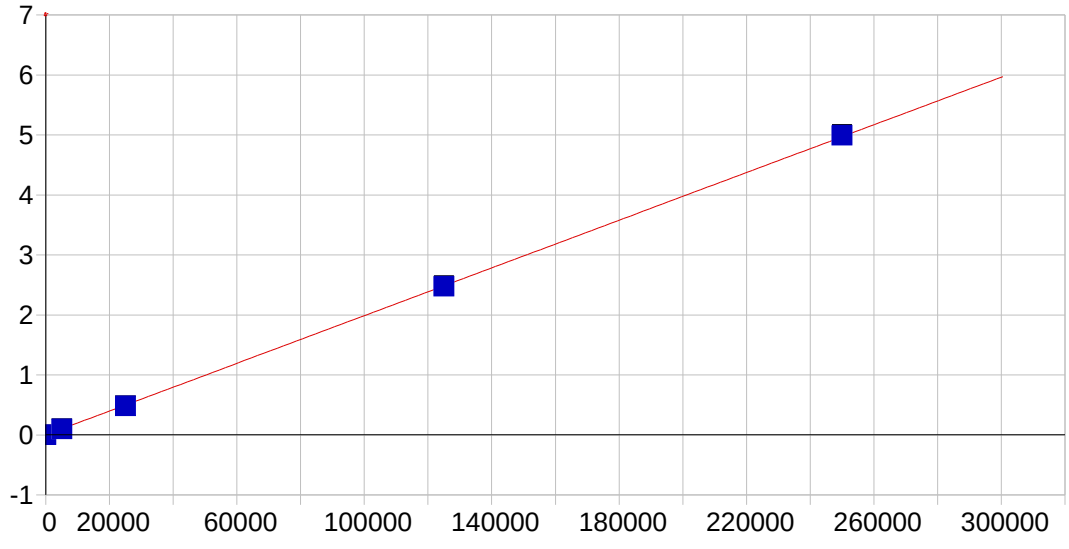


K 766.490 { 44}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.011228	Re-Slope:	1.000000
A1 (Gain):	0.000051	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999834	Status:	OK.
Std Error of Est:	0.001078		
Predicted MDL:	34.017478		
Predicted MQL:	113.391592		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.32734	.327	.000	-.01121	.001	1
CAL2	5000.0	4932.9	-67.1	-1.34	.23803	.001	1
CAL3	10000.	9497.3	-503.	-5.03	.46886	.002	1
CAL4	50000.	49252.	-748.	-1.50	2.4785	.006	1
CAL5	100000.	101320.	1320.	1.32	5.1103	.010	1

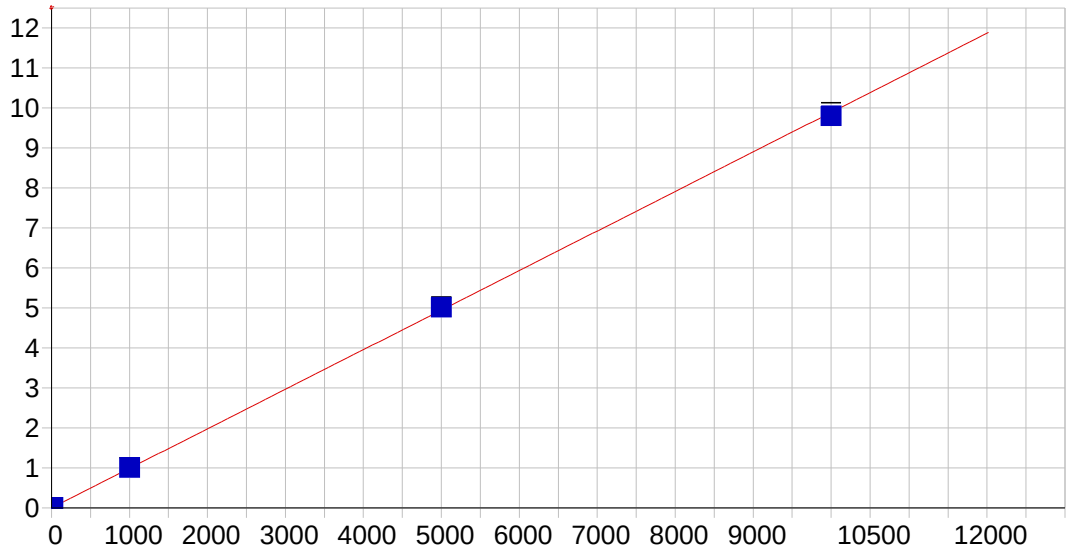


Mg 279.079 {121}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000066	Re-Slope:	1.000000
A1 (Gain):	0.000020	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999956	Status:	OK.
Std Error of Est:	0.000341		
Predicted MDL:	5.571682		
Predicted MQL:	18.572272		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.19834	.198	.000	.00007	.000	1
CAL2	5000.0	4958.3	-41.7	-.834	.09862	.000	1
CAL3	25000.	24165.	-835.	-3.34	.48008	.001	1
CAL4	125000.	124640.	-361.	-.289	2.4759	.003	1
CAL5	250000.	251240.	1240.	.495	4.9907	.008	1

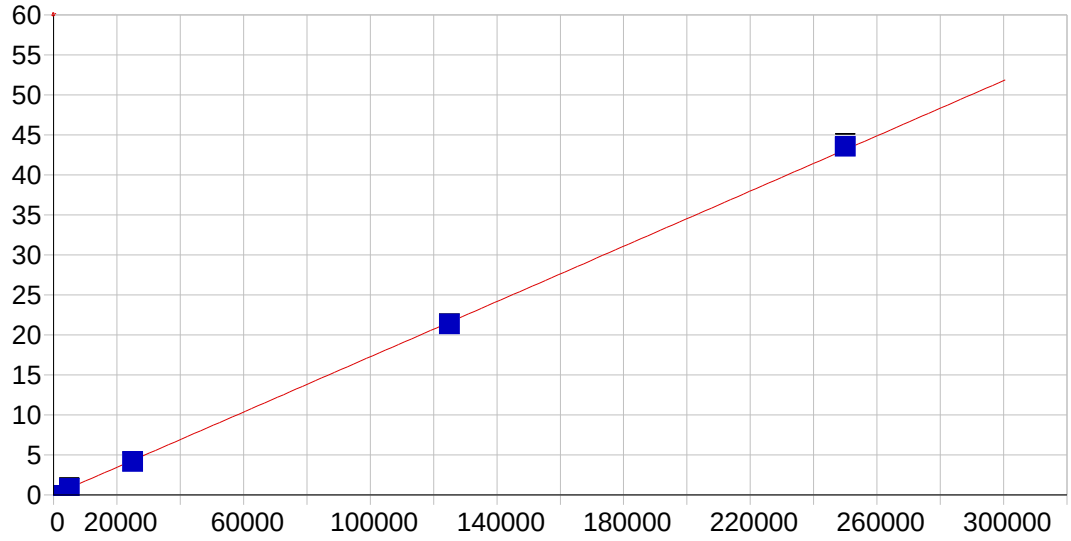


Mn 257.610 {131}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000200	Re-Slope:	1.000000
A1 (Gain):	0.000989	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999938	Status:	OK.
Std Error of Est:	0.000221		
Predicted MDL:	0.090446		
Predicted MQL:	0.301486		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00114	-.001	.000	.00020	.000	1
CAL2	15.000	15.830	.830	5.54	.01586	.000	1
CAL3	1000.0	1015.2	15.2	1.52	1.0043	.003	1
CAL4	5000.0	5069.8	69.8	1.40	5.0142	.011	1
CAL5	10000.	9914.1	-85.9	-.859	9.8052	.081	1

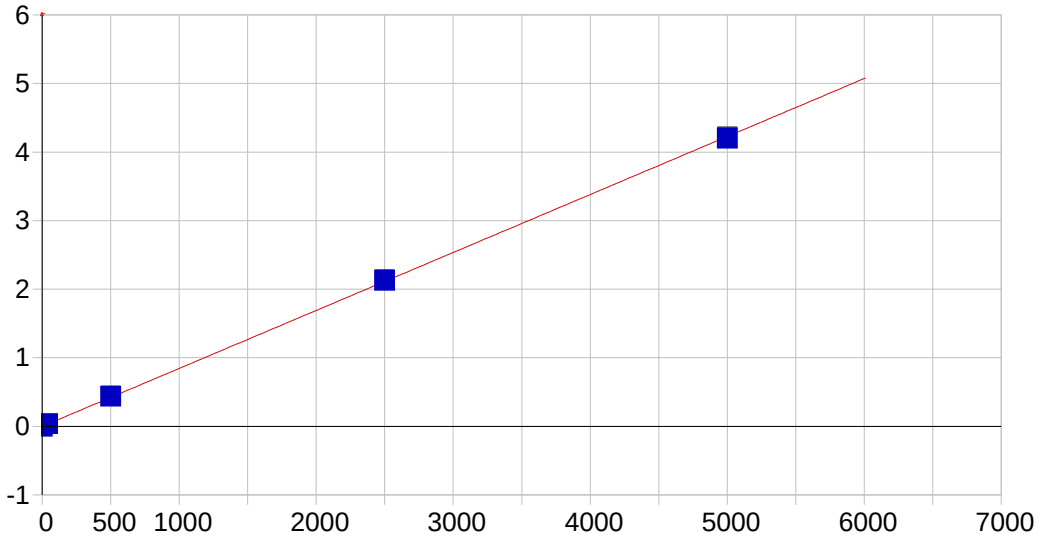


Na 589.592 { 57}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.003152	Re-Slope:	1.000000
A1 (Gain):	0.000173	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999908	Status:	OK.
Std Error of Est:	0.004307		
Predicted MDL:	9.264372		
Predicted MQL:	30.881240		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.27239	.272	.000	.00320	.001	1
CAL2	5000.0	4925.9	-74.1	-1.48	.85346	.002	1
CAL3	25000.	24038.	-962.	-3.85	4.1540	.008	1
CAL4	125000.	123670.	-1330.	-1.07	21.357	.051	1
CAL5	250000.	252370.	2370.	.948	43.580	.320	1

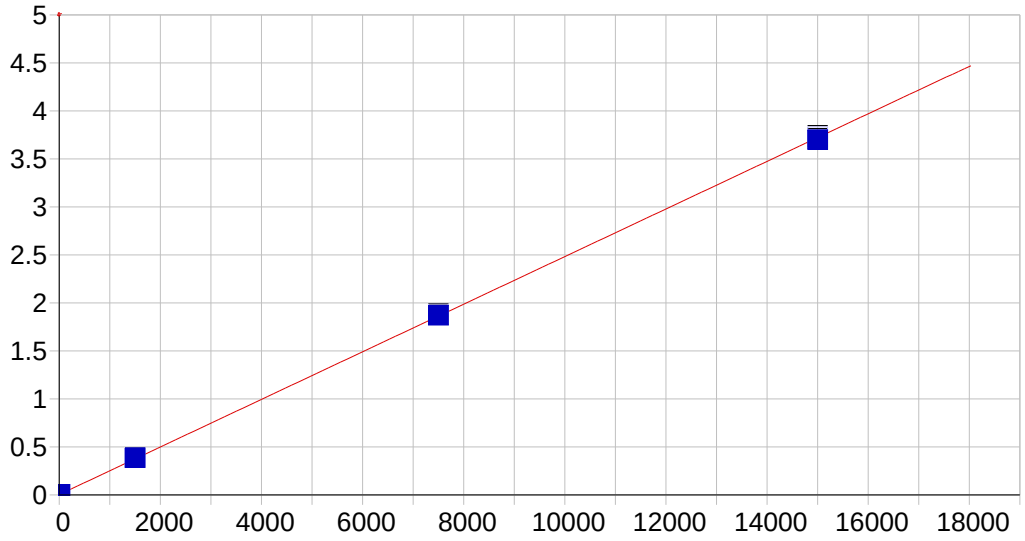


Ni 231.604 {446}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000747	Re-Slope:	1.000000
A1 (Gain):	0.000845	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999927	Status:	OK.
Std Error of Est:	0.000237		
Predicted MDL:	0.464604		
Predicted MQL:	1.548680		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00432	-.004	.000	-.00075	.000	1
CAL2	40.000	42.951	2.95	7.38	.03557	.000	1
CAL3	500.00	517.81	17.8	3.56	.43754	.002	1
CAL4	2500.0	2514.4	14.4	.577	2.1276	.004	1
CAL5	5000.0	4964.8	-35.2	-.704	4.2018	.014	1

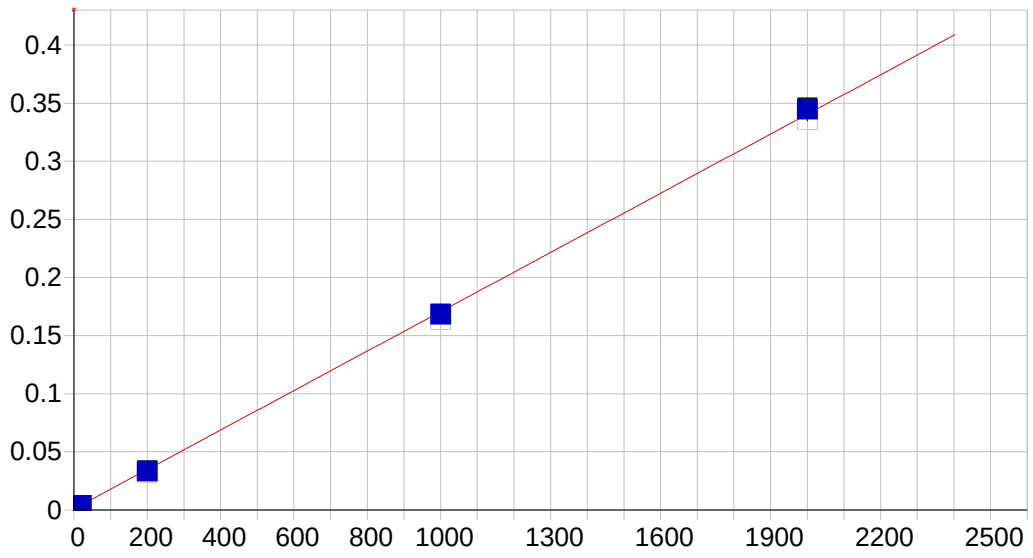


Pb 220.353 {453}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001979	Re-Slope:	1.000000
A1 (Gain):	0.000248	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999948	Status:	OK.
Std Error of Est:	0.000034		
Predicted MDL:	1.775327		
Predicted MQL:	5.917757		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00138	-.001	.000	.00198	.000	1
CAL2	10.000	12.271	2.27	22.7	.00504	.000	1
CAL3	1500.0	1545.7	45.7	3.04	.38804	.002	1
CAL4	7500.0	7535.2	35.2	.469	1.8844	.003	1
CAL5	15000.	14917.	-83.2	-.555	3.7288	.014	1
CAL1	5.0000	5.0983	.098	1.97	.00324	.000	1

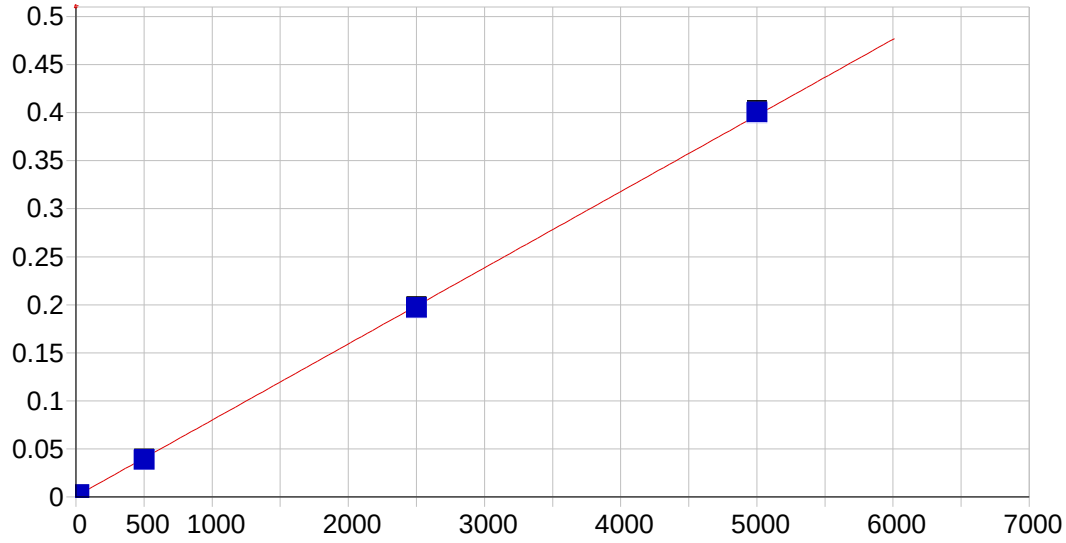


Sb 206.833 {463}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000844	Re-Slope:	1.000000
A1 (Gain):	0.000170	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999822	Status:	OK.
Std Error of Est:	0.000022		
Predicted MDL:	1.690912		
Predicted MQL:	5.636375		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00175	.002	.000	.00084	.000	1
CAL2	20.000	18.466	-1.53	-7.67	.00378	.000	1
CAL3	200.00	190.90	-9.10	-4.55	.03235	.000	1
CAL4	1000.0	985.58	-14.4	-1.44	.16363	.000	1
CAL5	2000.0	2025.5	25.5	1.28	.33565	.001	1
CAL1	10.000	9.4906	-.509	-5.09	.00245	.000	1

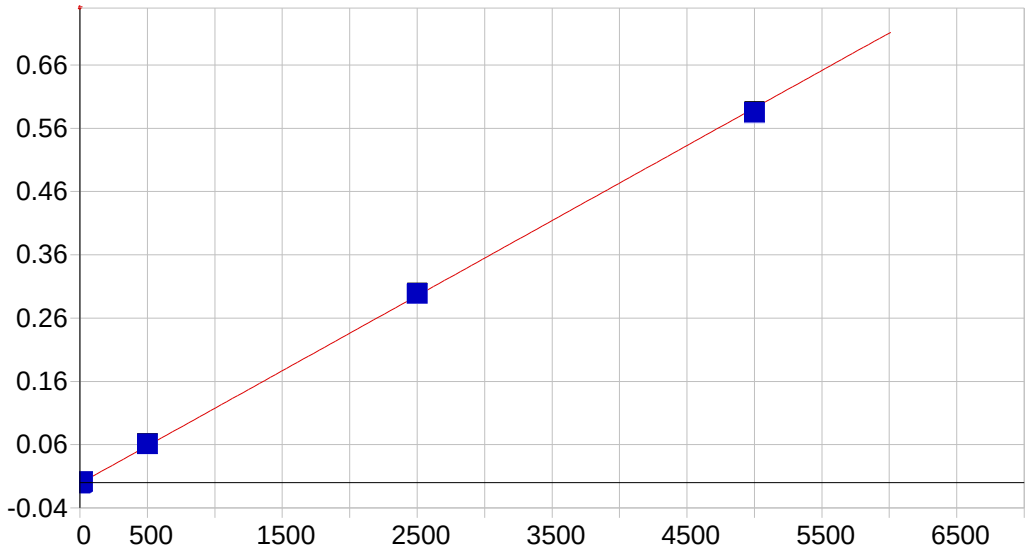


Se 196.090 {472}

Date of Fit:	4/21/2017 11:02:52	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000703	Re-Slope:	1.000000
A1 (Gain):	0.000079	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999849	Status:	OK.
Std Error of Est:	0.000011		
Predicted MDL:	2.905792		
Predicted MQL:	9.685974		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00279	.003	.000	.00070	.000	1
CAL2	20.000	18.554	-1.45	-7.23	.00217	.000	1
CAL3	500.00	481.65	-18.4	-3.67	.03875	.000	1
CAL4	2500.0	2476.8	-23.2	-.928	.19640	.001	1
CAL5	5000.0	5045.2	45.2	.905	.39935	.001	1
CAL1	5.0000	2.7610	-2.24	-44.8	.00092	.000	1

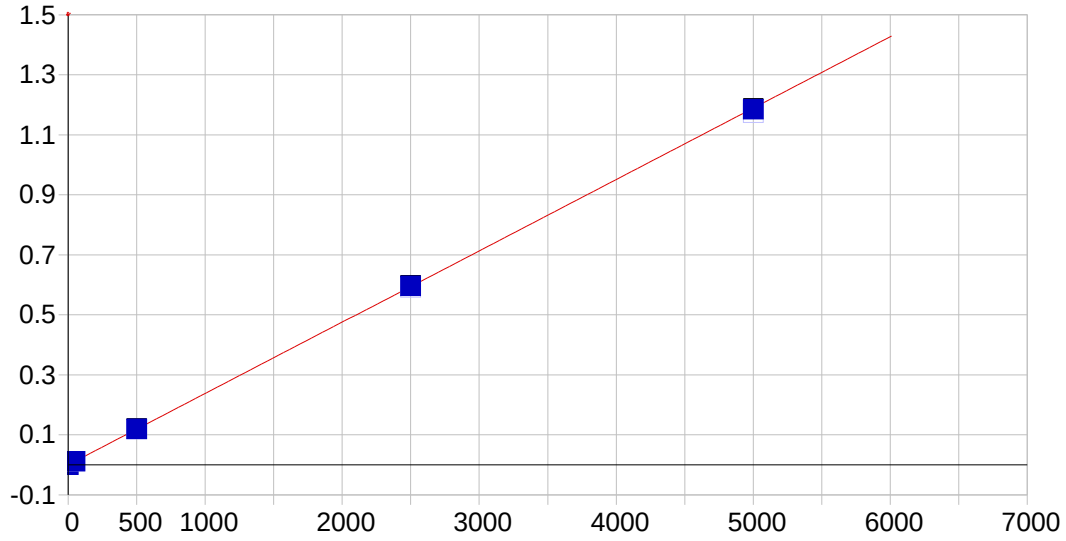


Tl 190.856 {477}

Date of Fit:	4/21/2017 11:02:53	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.001216	Re-Slope:	1.000000
A1 (Gain):	0.000119	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999819	Status:	OK.
Std Error of Est:	0.000025		
Predicted MDL:	2.189786		
Predicted MQL:	7.299285		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00315	-.003	.000	-.00122	.000	1
CAL2	20.000	23.193	3.19	16.0	.00151	.000	1
CAL3	500.00	524.45	24.4	4.89	.06084	.000	1
CAL4	2500.0	2530.4	30.4	1.21	.29819	.001	1
CAL5	5000.0	4941.0	-59.0	-1.18	.58339	.001	1
CAL1	10.000	11.065	1.06	10.6	.00010	.000	1

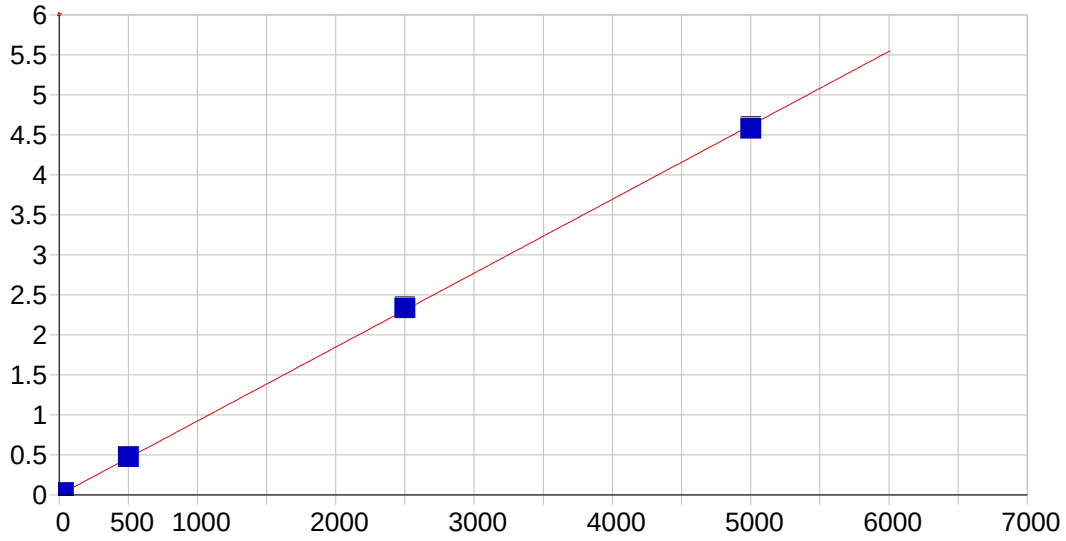


V 292.402 {115}

Date of Fit:	4/21/2017 11:02:53	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000002	Re-Slope:	1.000000
A1 (Gain):	0.000238	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.000031		
Predicted MDL:	0.505224		
Predicted MQL:	1.684080		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00257	-.003	.000	.00000	.000	1
CAL2	50.000	52.211	2.21	4.42	.01239	.000	1
CAL3	500.00	503.21	3.21	.641	.11846	.000	1
CAL4	2500.0	2509.7	9.72	.389	.59080	.001	1
CAL5	5000.0	4984.8	-15.2	-.303	1.1734	.002	1

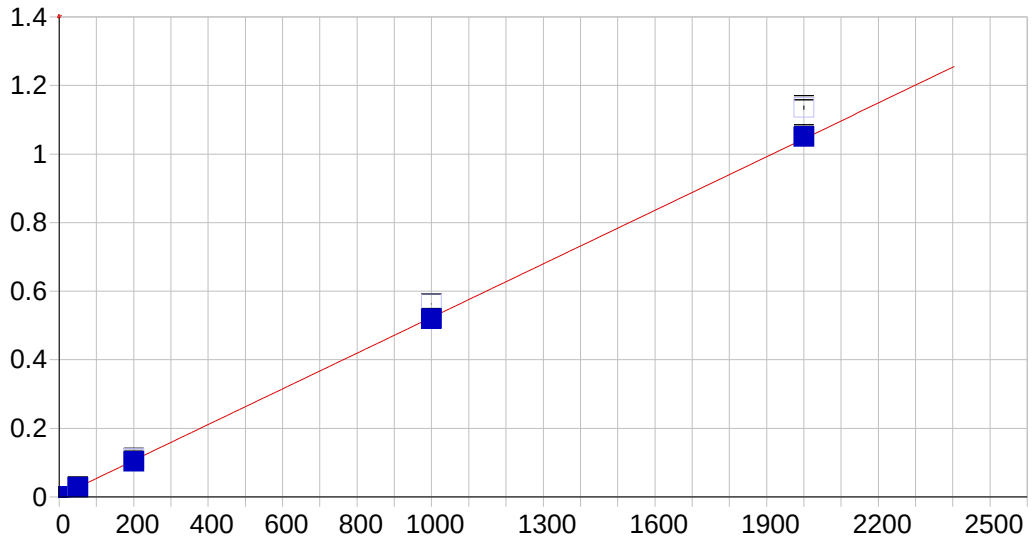


Zn 206.200 {463}

Date of Fit:	4/21/2017 11:02:53	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000333	Re-Slope:	1.000000
A1 (Gain):	0.000924	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999924	Status:	OK.
Std Error of Est:	0.000229		
Predicted MDL:	0.250007		
Predicted MQL:	0.833355		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00271	-.003	.000	.00033	.000	1
CAL2	30.000	31.793	1.79	5.98	.02969	.000	1
CAL3	500.00	514.07	14.1	2.81	.47672	.000	1
CAL4	2500.0	2528.7	28.7	1.15	2.3438	.004	1
CAL5	5000.0	4955.5	-44.5	-.890	4.5931	.005	1

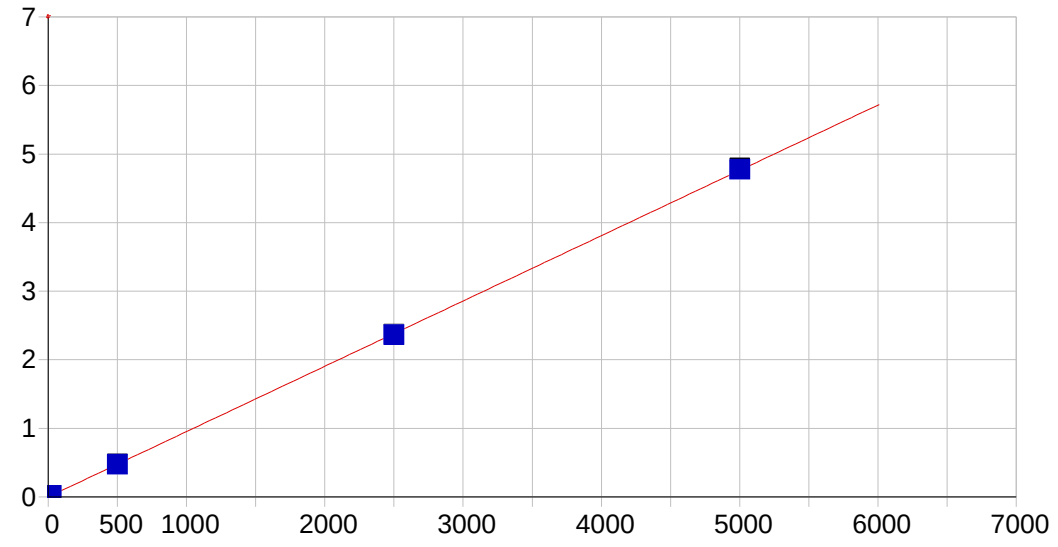


B 208.959 {461}

Date of Fit:	4/21/2017 11:02:53	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002224	Re-Slope:	1.000000
A1 (Gain):	0.000521	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999970	Status:	OK.
Std Error of Est:	0.000071		
Predicted MDL:	0.525756		
Predicted MQL:	1.752521		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	.00182	.002	.000	.00223	.000	1
CAL2	50.000	49.408	-.592	-1.18	.02831	.000	1
CAL3	200.00	195.18	-4.82	-2.41	.11244	.000	1
CAL4	1000.0	993.93	-6.07	-.607	.56273	.001	1
CAL5	2000.0	2011.4	11.4	.572	1.1355	.006	1

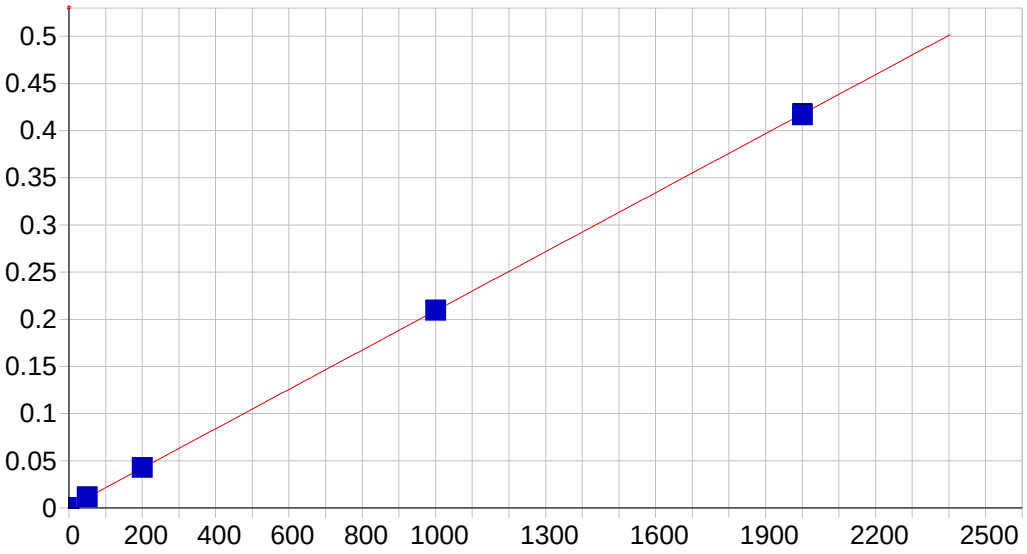


Mo 202.030 {467}

Date of Fit:	4/21/2017 11:02:53	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000264	Re-Slope:	1.000000
A1 (Gain):	0.000952	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999991	Status:	OK.
Std Error of Est:	0.000065		
Predicted MDL:	0.252380		
Predicted MQL:	0.841265		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00008	-.000	.000	.00026	.000	1
CAL2	20.000	20.229	.229	1.15	.01953	.000	1
CAL3	500.00	497.28	-2.72	-.544	.47367	.001	1
CAL4	2500.0	2486.6	-13.4	-.537	2.3675	.003	1
CAL5	5000.0	5015.9	15.9	.319	4.7754	.015	1

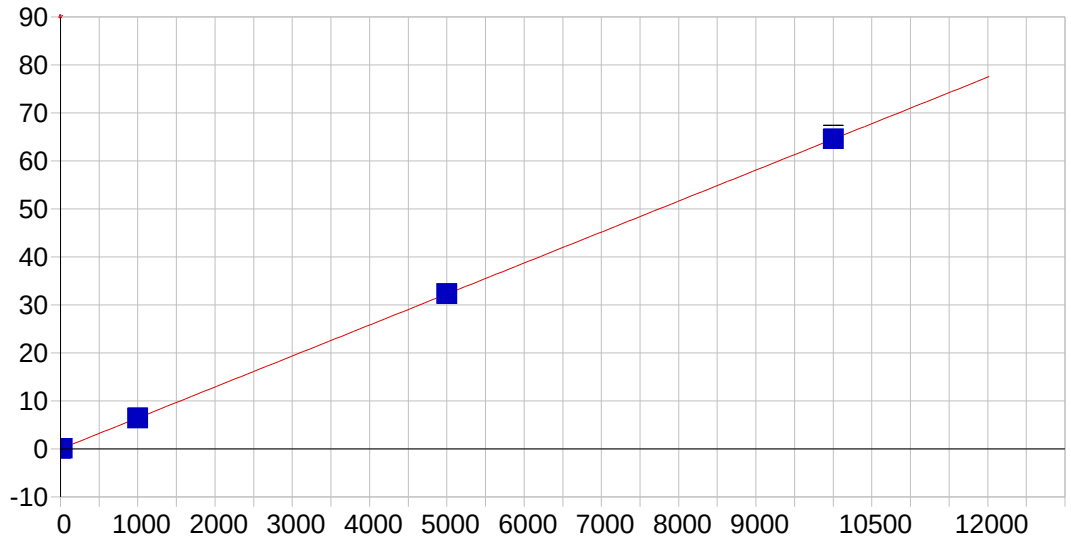


Sn 189.989 {477}

Date of Fit:	4/21/2017 11:02:53	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000505	Re-Slope:	1.000000
A1 (Gain):	0.000209	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999981	Status:	OK.
Std Error of Est:	0.000021		
Predicted MDL:	0.842099		
Predicted MQL:	2.806996		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00256	-.003	.000	.00050	.000	1
CAL2	50.000	52.208	2.21	4.42	.01139	.000	1
CAL3	200.00	201.76	1.76	.878	.04251	.000	1
CAL4	1000.0	1000.6	.553	.055	.20883	.001	1
CAL5	2000.0	1995.5	-4.52	-.226	.41598	.001	1

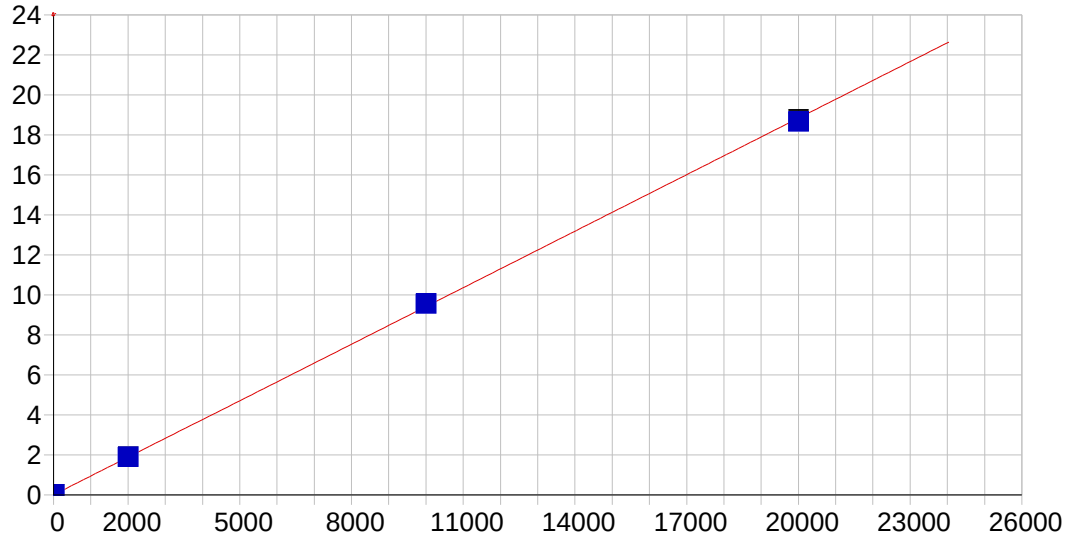


Sr 407.771 { 83}

Date of Fit:	4/21/2017 11:02:53	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.002058	Re-Slope:	1.000000
A1 (Gain):	0.006454	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000530		
Predicted MDL:	0.108450		
Predicted MQL:	0.361499		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00046	-.000	.000	-.00206	.001	1
CAL2	20.000	20.681	.681	3.41	.13157	.001	1
CAL3	1000.0	987.01	-13.0	-1.30	6.3675	.016	1
CAL4	5000.0	5005.3	5.27	.105	32.299	.029	1
CAL5	10000.	10007.	7.04	.070	64.578	.761	1

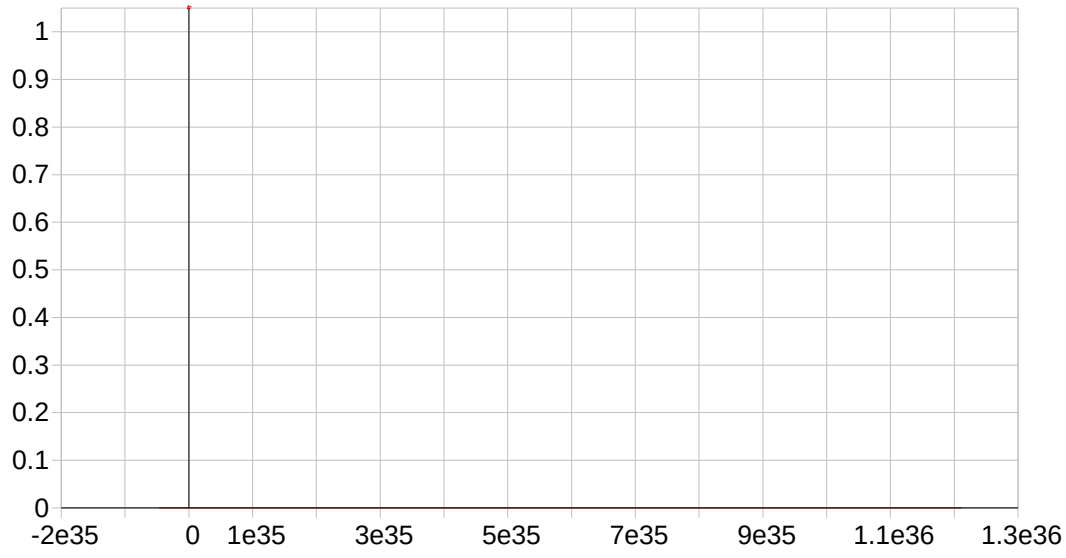


Ti 334.941 {101}

Date of Fit:	4/21/2017 11:02:53	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000708	Re-Slope:	1.000000
A1 (Gain):	0.000942	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999926	Status:	OK.
Std Error of Est:	0.000374		
Predicted MDL:	0.205576		
Predicted MQL:	0.685252		

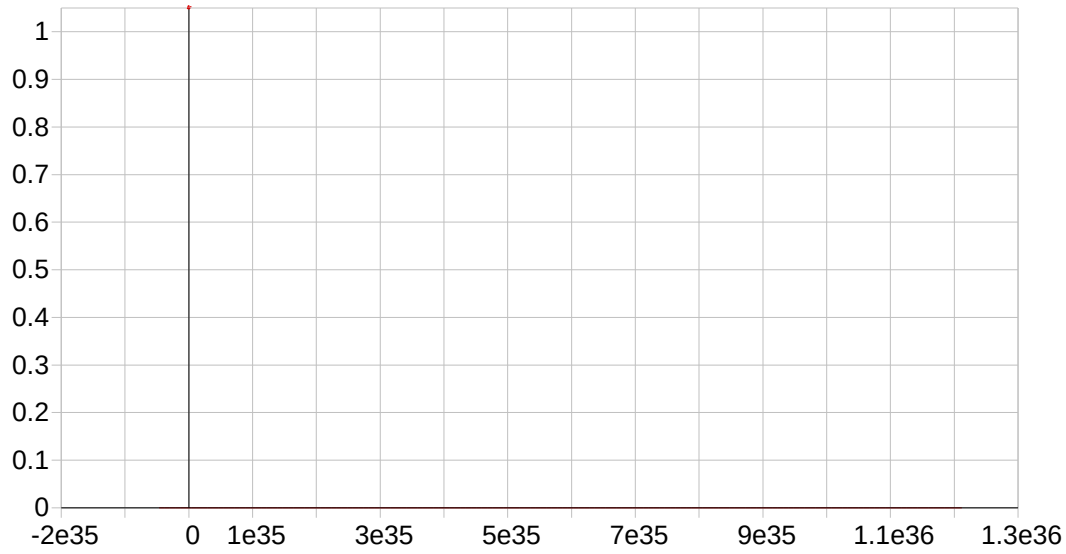
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
ICIS Cal Blk	.00000	-.00217	-.002	.000	.00071	.000	1
CAL2	20.000	21.771	1.77	8.85	.02122	.000	1
CAL3	2000.0	2027.6	27.6	1.38	1.9108	.006	1
CAL4	10000.	10157.	157.	1.57	9.5687	.005	1
CAL5	20000.	19814.	-186.	-.931	18.666	.088	1



Y 224.306 {450}*

Date of Fit:	4/20/2017 11:08:47	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	183.492520				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

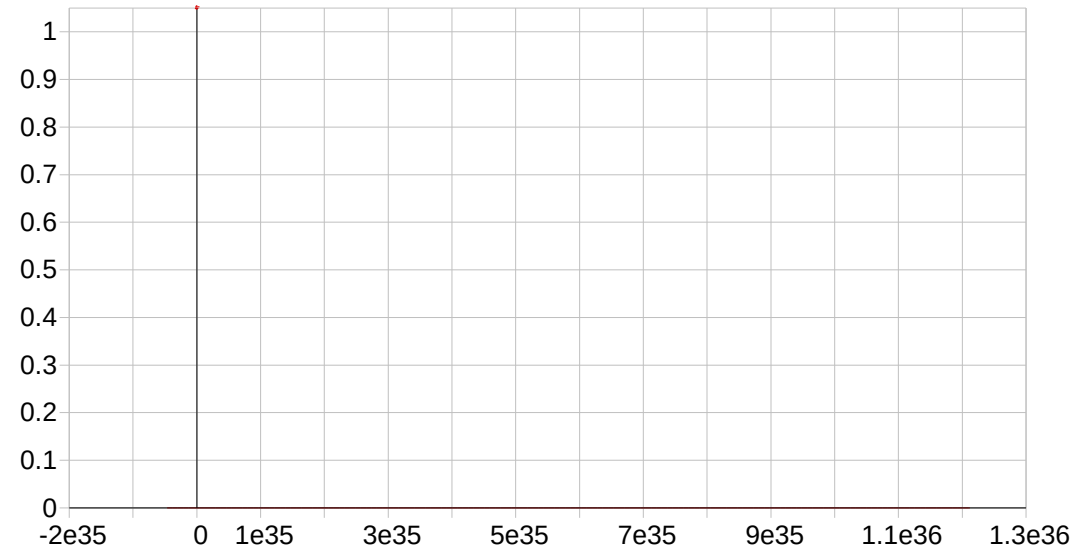
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Y 360.073 { 94}*

Date of Fit:	4/20/2017 11:08:47	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis

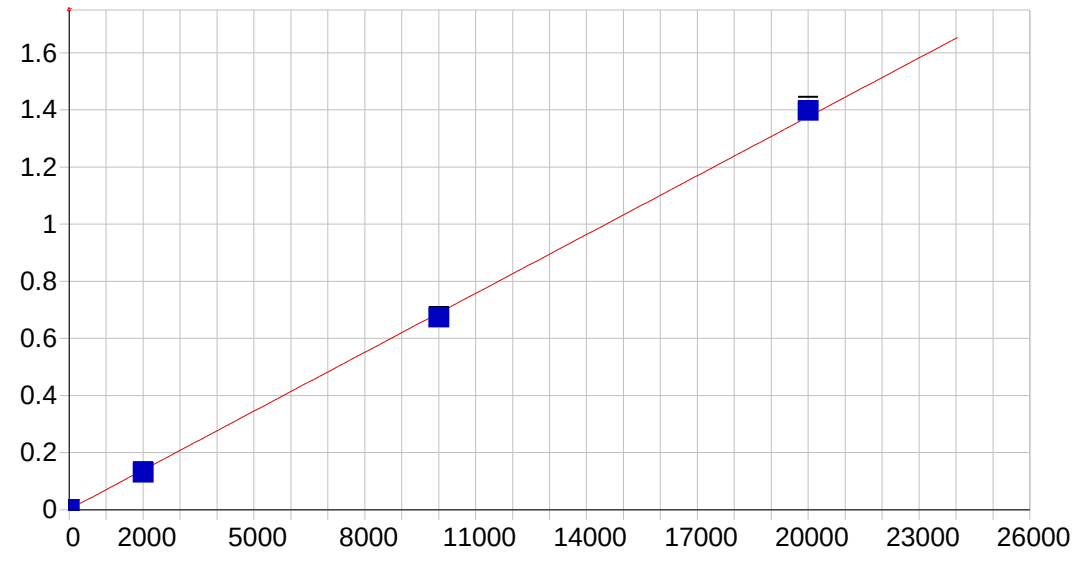


Y 371.030 { 91}*

Date of Fit:	4/20/2017 11:08:47	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	192.759705		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis



Si 288.158 {117}

Date of Fit:	4/21/2017 11:02:53	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002073	Re-Slope:	1.000000
A1 (Gain):	0.000069	Y-int:	0.000000

A2 (Curvature):		0.000000					
n (Exponent):		1.000000					
Correlation:		0.999741		Status:	OK.		
Std Error of Est:		0.000558					
Predicted MDL:		13.461440					
Predicted MQL:		44.871468					
Std. Name	**Stated Conc.**	**Found Conc.**	**Difference**	**% Diff.**	**(S)IR**	**Std Dev**	**Emphasis**
ICIS Cal Blk	.00000	.12447	.124	.000	.00208	.000	1
CAL5	20000.	20328.	328.	1.64	1.3965	.014	1
CAL3	2000.0	1885.5	-115.	-5.73	.13139	.001	1
CAL4	10000.	9786.1	-214.	-2.14	.67332	.003	1

Sample Name: ICIS Cal Blk Acquired: 4/21/2017 10:39:04 Type: Cal
Method: xin_sw030317(v52) 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	**-.0002**	**-.0004**	**-.0001**	**.0000**	**.0003**	**-.0018**
Stddev	.0001	.0002	.0001	.0002	.0005	.0001
%RSD	21.86	39.10	267.7	526.0	171.2	5.006
#1	-.0002	-.0006	-.0002	-.0002	.0001	-.0018
#2	-.0003	-.0003	.0000	.0000	-.0001	-.0017
#3	-.0002	-.0004	.0001	.0002	.0008	-.0019

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_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0030**	**-.0008**	**.0000**	**.0028**	**.0001**	**-.0112**
Stddev	.0002	.0000	.0000	.0001	.0001	.0011
%RSD	6.533	5.346	72.79	2.032	47.88	9.421
#1	-.0032	-.0008	.0000	.0028	.0001	-.0119
#2	-.0029	-.0007	.0000	.0028	.0002	-.0118
#3	-.0028	-.0008	.0000	.0027	.0002	-.0100

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	**.0001**	**.0002**	**.0032**	**-.0008**	**.0020**	**.0008**
Stddev	.0001	.0000	.0011	.0002	.0005	.0001
%RSD	187.5	22.37	35.81	25.01	22.99	12.24
#1	-.0001	.0002	.0022	-.0009	.0024	.0009
#2	.0002	.0002	.0029	-.0008	.0015	.0009
#3	.0001	.0002	.0045	-.0006	.0020	.0007

Sample Name: ICIS Cal Blk Acquired: 4/21/2017 10:39:04 Type: Cal
Method: xin_sw030317(v52) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.0007**	**-.0012**	**.0000**	**.0003**	**.0022**	**.0003**
Stddev	.0001	.0003	.0001	.0002	.0005	.0001
%RSD	19.39	20.77	3245.	53.08	20.52	37.93
#1	.0006	-.0012	-.0000	.0001	.0026	.0003
#2	.0008	-.0010	.0001	.0004	.0024	.0003
#3	.0007	-.0015	-.0000	.0005	.0017	.0002

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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0005**	**-.0021**	**.0007**	**.0021**
Stddev	.0002	.0005	.0001	.0004
%RSD	35.55	25.72	10.93	19.82
#1	.0006	-.0017	.0008	.0026
#2	.0003	-.0018	.0006	.0019
#3	.0006	-.0027	.0007	.0018

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	**2862.1**	**30467.**	**7521.2**
Stddev	50.9	809.	291.8
%RSD	1.7789	2.6552	3.8800
#1	2803.4	29545.	7233.2
#2	2892.8	31057.	7513.9
#3	2890.2	30800.	7816.7

Sample Name: icb Acquired: 4/21/2017 11:06:40 Type: QC
Method: xin_sw030317(v52) 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	**6.285**	**.0386**	**-.0810**	**.1093**	**.0615**	**-2.446**
Stddev	2.838	.1699	.3009	.2228	.0351	.884
%RSD	45.15	440.6	371.5	203.8	57.15	36.12
#1	3.587	-.0874	-.0109	.3058	.1018	-3.275
#2	6.024	-.0287	.1787	.1549	.0378	-1.516
#3	9.245	.2318	-.4108	-.1327	.0448	-2.547
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0307**	**.1296**	**.5457**	**.2078**	**6.774**	**8.744**
Stddev	.0219	.3091	.5924	.3256	14.03	34.64
%RSD	71.28	238.6	108.6	156.7	207.1	396.1
#1	.0068	.4782	1.191	.3815	19.43	24.63
#2	.0499	.0214	.4183	.4097	9.199	32.59
#3	.0355	-.1110	.0273	-.1679	-8.312	-30.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: icb Acquired: 4/21/2017 11:06:40 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.0269**	**.1320**	**-23.75**	**-.7001**	**2.058**	**-.5148**
Stddev	.8553	.0293	10.57	.2963	1.674	1.113
%RSD	3182.	22.16	44.52	42.32	81.34	216.2
#1	.7724	.1658	-12.46	-.9859	3.897	-1.431
#2	-.9069	.1156	-25.38	-.3943	.6216	-.8370
#3	.2152	.1147	-33.42	-.7202	1.656	.7239
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	**-.7303**	**-.3673**	**-.1681**	**-.3465**	**3.103**	**1.043**
Stddev	.6092	1.459	.2333	.0532	.652	.493
%RSD	83.42	397.3	138.7	15.34	21.03	47.27
#1	-.9337	.8928	.0532	-.3701	3.739	1.591
#2	-.0455	-1.966	-.1459	-.2856	2.436	.9045
#3	-1.212	-.0283	-.4117	-.3838	3.132	.6345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: icb Acquired: 4/21/2017 11:06:40 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6603**	**.1614**	**.7069**	**10.34**
Stddev	.5335	.0472	.4221	2.77
%RSD	80.80	29.25	59.70	26.81
#1	.4944	.1882	1.162	10.27
#2	.2294	.1891	.3278	13.15
#3	1.257	.1069	.6313	7.608
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	**2869.4**	**30709.**	**7673.0**
Stddev	5.1	89.	9.5
%RSD	.17782	.28875	.12405
#1	2873.5	30811.	7680.7
#2	2863.6	30650.	7676.0
#3	2871.0	30665.	7662.4

Sample Name: icsa 4786934 Acquired: 4/21/2017 11:14:39 Type: QC
Method: xin_sw030317(v52) 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	**476900.**	**.4815**	**-.0814**	**.4006**	**.1034**	**485400.**
Stddev	2527.	1.487	.3572	.2346	.0757	4791.
%RSD	.5299	308.8	438.7	58.55	73.25	.9872
#1	474000.	-.4182	.1374	.5969	.1020	486700.
#2	478300.	-.3351	-.4936	.4642	.0283	489300.
#3	478500.	2.198	.1120	.1408	.1797	480000.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4870**	**-2.235**	**-2.016**	**-5.799**	**189400.**	**-84.73**
Stddev	.1160	.149	.793	.205	374.	30.11
%RSD	23.82	6.659	39.34	3.544	.1973	35.53
#1	-.3614	-2.074	-1.284	-5.621	189000.	-81.21
#2	-.5096	-2.263	-2.859	-6.024	189700.	-116.4
#3	-.5900	-2.367	-1.905	-5.753	189400.	-56.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: icsa 4786934 Acquired: 4/21/2017 11:14:39 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**494500.**	**.3464**	**-83.60**	**-.8841**	**-1.764**	**-3.796**
Stddev	1139.	.1292	6.42	.3490	.825	3.294
%RSD	.2303	37.29	7.677	39.48	46.76	86.77
#1	495000.	.3120	-87.84	-1.007	-1.237	-2.414
#2	495300.	.2379	-76.21	-1.155	-2.714	-7.556
#3	493200.	.4893	-86.74	-.4904	-1.340	-1.419
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	**-3.058**	**-.3233**	**4.770**	**-2.290**	**-6.554**	**-.6961**
Stddev	1.850	2.797	.402	.421	.460	.8445
%RSD	60.48	865.3	8.421	18.40	7.018	121.3
#1	-3.298	2.892	4.656	-2.758	-6.912	-.1957
#2	-4.776	-2.194	4.438	-2.173	-6.715	-.2215
#3	-1.100	-1.668	5.217	-1.940	-6.035	-1.671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: icsa 4786934 Acquired: 4/21/2017 11:14:39 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.913**	**3.314**	**2.189**	**1.604**
Stddev	.589	.064	.169	14.10
%RSD	6.612	1.936	7.721	878.7
#1	9.585	3.252	2.211	16.57
#2	8.670	3.310	2.010	-11.42
#3	8.484	3.380	2.346	-.3298
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	**2643.9**	**27244.**	**7543.0**
Stddev	7.1	124.	70.1
%RSD	.26732	.45632	.92923
#1	2651.5	27286.	7589.1
#2	2642.8	27104.	7462.3
#3	2637.5	27342.	7577.5

Sample Name: int-10a 4786942 Acquired: 4/21/2017 11:22:42 Type: QC
Method: xin_sw030317(v52) 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	**2.401**	**-.8227**	**-7.528**	**2.788**	**5.060**	**-6.519**
Stddev	.976	.9788	.365	.244	.036	5.051
%RSD	40.65	119.0	4.850	8.757	.7182	77.48
#1	3.320	.2530	-7.821	3.025	5.022	-.7057
#2	1.376	-1.661	-7.645	2.802	5.095	-9.021
#3	2.508	-1.060	-7.119	2.537	5.064	-9.831
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2648**	**10250.**	**.2255**	**-8.515**	**-86.08**	**-15.48**
Stddev	.1062	18.	.2001	.345	12.06	22.16
%RSD	40.11	.1710	88.75	4.049	14.01	143.1
#1	-.1857	10260.	.2373	-8.204	-81.60	-14.58
#2	-.3855	10250.	.0197	-8.455	-76.90	-38.08
#3	-.2232	10230.	.4194	-8.886	-99.75	6.211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: int-10a 4786942 Acquired: 4/21/2017 11:22:42 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-2.756**	**-.1248**	**-22.87**	**1.594**	**-2.724**	**11.30**
Stddev	5.041	.0448	6.12	.234	1.755	.56
%RSD	182.9	35.89	26.78	14.69	64.44	4.957
#1	3.065	-.0850	-29.40	1.508	-.8337	11.66
#2	-5.672	-.1161	-21.93	1.414	-3.036	11.59
#3	-5.661	-.1733	-17.26	1.858	-4.303	10.66
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	**.1966**	**2.248**	**4853.**	**-.4401**	**-3.989**	**-1.676**
Stddev	2.447	1.682	5.	.0950	.257	.257
%RSD	1244.	74.83	.1095	21.58	6.430	15.33
#1	-1.319	3.947	4859.	-.4164	-3.727	-1.845
#2	-1.110	2.215	4852.	-.3592	-4.000	-1.802
#3	3.019	.5828	4848.	-.5447	-4.240	-1.380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: int-10a 4786942 Acquired: 4/21/2017 11:22:42 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9885.**	**9597.**	**-.2275**	**8858.**
Stddev	28.	73.	.0587	85.
%RSD	.2836	.7656	25.82	.9563
#1	9907.	9603.	-.1698	8769.
#2	9894.	9667.	-.2255	8938.
#3	9853.	9521.	-.2873	8867.
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	**2898.9**	**31026.**	**7776.2**
Stddev	9.6	97.	40.2
%RSD	.32992	.31170	.51640
#1	2893.0	30934.	7774.0
#2	2893.7	31018.	7817.4
#3	2909.9	31127.	7737.1

Sample Name: Sample-1 Acquired: 4/21/2017 11:30:57 Type: Unk
Method: xin_sw030317(v52) 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	**11.59**	**3.242**	**-.1665**	**-.0112**	**-.0552**	**59.14**
Stddev	3.59	.833	.2867	.0099	.0279	1.76
%RSD	30.95	25.69	172.2	88.26	50.67	2.969
#1	7.632	3.272	.0824	-.0210	-.0570	61.08
#2	12.50	2.395	-.1019	-.0116	-.0263	58.67
#3	14.63	4.059	-.4799	-.0011	-.0821	57.67
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.5108**	**.3699**	**-.0304**	**-1.253**	**-7.458**	**25.74**
Stddev	.0527	.0700	.1504	.169	1.992	11.16
%RSD	10.32	18.93	494.6	13.45	26.71	43.35
#1	.5529	.4172	.1282	-1.065	-7.301	13.03
#2	.5278	.2895	-.1710	-1.303	-9.525	33.91
#3	.4517	.4031	-.0485	-1.390	-5.549	30.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: Sample-1 Acquired: 4/21/2017 11:30:57 Type: Unk
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-3.734**	**.0171**	**-37.87**	**.6397**	**-2.807**	**-3.006**
Stddev	1.424	.0828	6.62	.2955	1.098	.318
%RSD	38.14	484.4	17.48	46.20	39.11	10.57
#1	-3.747	.0934	-32.14	.9447	-3.964	-3.292
#2	-5.152	.0288	-36.35	.6198	-2.679	-3.062
#3	-2.304	-.0709	-45.11	.3546	-1.779	-2.664
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	**-6.259**	**5.875**	**.1200**	**-.4088**	**-2.488**	**2.230**
Stddev	1.058	.471	.1855	.0283	.458	3.172
%RSD	16.90	8.018	154.5	6.924	18.40	142.2
#1	-6.191	6.352	.0806	-.4069	-3.017	5.892
#2	-5.237	5.864	-.0425	-.3815	-2.234	.4881
#3	-7.350	5.410	.3220	-.4380	-2.214	.3108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: Sample-1 Acquired: 4/21/2017 11:30:57 Type: Unk
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**-.9658**	**.1642**	**.0474**	**-12.73**
Stddev	.1920	.0644	.2780	3.69
%RSD	19.88	39.19	586.9	28.95
#1	-.8797	.0971	.2869	-16.88
#2	-1.186	.1701	.1128	-9.836
#3	-.8319	.2254	-.2575	-11.47
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	**7006.5**	**68903.**	**13096.**
Stddev	758.8	5693.	135.
%RSD	10.830	8.2617	1.0304
#1	7881.8	75476.	13249.
#2	6602.8	65538.	12994.
#3	6534.8	65696.	13044.

Sample Name: CAL1 Acquired: 4/21/2017 10:43:18 Type: Cal
Method: xin_sw030317(v52) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	Pb2203	Sb2068	Se196	Tl1908
Line	189.042 {478}	220.353 {453}	206.833 {463}	196.090 {472}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0000**	**.0032**	**.0025**	**.0009**	**.0001**
Stddev	.0001	.0002	.0003	.0002	.0002
%RSD	1538.	7.669	10.76	22.17	198.7
#1	.0001	.0030	.0022	.0009	.0003
#2	-.0001	.0033	.0027	.0007	.0001
#3	-.0001	.0034	.0025	.0011	-.0001

Int. Std.	Y_2243
Line	224.306 {450}
Units	Cts/S
Avg	**2851.5**
Stddev	15.1
%RSD	.52984
#1	2867.5
#2	2837.5
#3	2849.5

Sample Name: CCVL Acquired: 4/21/2017 11:42:34 Type: QC
Method: xin_sw030317(v52) 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	**233.5**	**15.05**	**10.09**	**212.5**	**2.277**	**5176.**
Stddev	2.8	1.66	.17	.2	.040	23.
%RSD	1.220	11.04	1.640	.0797	1.743	.4527
#1	231.8	14.50	9.907	212.5	2.266	5153.
#2	236.7	13.74	10.16	212.6	2.321	5175.
#3	231.8	16.92	10.22	212.3	2.244	5200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.302**	**54.61**	**10.84**	**24.83**	**160.7**	**4990.**
Stddev	.057	.59	.24	.53	4.6	13.
%RSD	1.330	1.075	2.241	2.139	2.856	.2555
#1	4.251	53.95	10.57	24.80	162.2	4975.
#2	4.292	54.80	11.03	24.32	164.3	4995.
#3	4.364	55.08	10.91	25.38	155.5	4999.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 11:42:34 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5046.**	**16.09**	**4927.**	**43.51**	**12.80**	**19.53**
Stddev	44.	.16	14.	.42	.88	.96
%RSD	.8780	.9815	.2740	.9695	6.888	4.925
#1	5006.	16.00	4942.	43.34	13.26	20.38
#2	5038.	16.00	4919.	43.19	11.79	19.71
#3	5093.	16.27	4918.	43.99	13.36	18.49
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	**18.59**	**23.04**	**52.85**	**32.35**	**49.92**	**21.00**
Stddev	1.20	.91	.30	.48	.43	.07
%RSD	6.430	3.968	.5689	1.499	.8656	.3260
#1	17.53	23.04	53.07	31.96	49.43	20.96
#2	18.36	23.95	52.51	32.20	50.24	20.96
#3	19.89	22.12	52.98	32.89	50.09	21.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 11:42:34 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**52.74**	**20.89**	**22.33**	F **25.46**
Stddev	.72	.07	.22	9.87
%RSD	1.372	.3397	.9872	38.75
#1	52.62	20.85	22.09	28.31
#2	52.08	20.97	22.39	14.48
#3	53.51	20.84	22.52	33.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2892.0**	**30525.**	**7669.1**
Stddev	14.6	16.	11.3
%RSD	.50626	.05323	.14703
#1	2880.0	30508.	7677.6
#2	2887.6	30540.	7673.3
#3	2908.3	30528.	7656.3

Sample Name: CAL2 Acquired: 4/21/2017 10:47:25 Type: Cal
Method: xin_sw030317(v52) 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	**.0067**	**.0010**	**.0025**	**.5131**	**.0108**	**.1096**
Stddev	.0002	.0000	.0001	.0020	.0002	.0002
%RSD	2.600	4.534	2.076	.3831	1.953	.2200
#1	.0068	.0010	.0024	.5113	.0110	.1094
#2	.0065	.0009	.0025	.5127	.0107	.1099
#3	.0068	.0010	.0025	.5152	.0106	.1095

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_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0110**	**.0628**	**.0021**	**.0124**	**.0015**	**.2380**
Stddev	.0003	.0003	.0000	.0001	.0000	.0014
%RSD	2.503	.4757	1.722	.4535	2.100	.6045
#1	.0113	.0627	.0021	.0123	.0015	.2364
#2	.0108	.0626	.0021	.0124	.0015	.2385
#3	.0108	.0632	.0020	.0124	.0015	.2392

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	**.0986**	**.0159**	**.8535**	**.0356**	**.0050**	**.0038**
Stddev	.0001	.0001	.0019	.0002	.0002	.0000
%RSD	.1065	.7437	.2251	.6120	3.972	.5461
#1	.0986	.0158	.8515	.0357	.0049	.0038
#2	.0985	.0158	.8553	.0353	.0053	.0038
#3	.0987	.0160	.8535	.0357	.0050	.0038

Sample Name: CAL2 Acquired: 4/21/2017 10:47:25 Type: Cal
Method: xin_sw030317(v52) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.0022**	**.0015**	**.0124**	**.0297**	**.0283**	**.0195**
Stddev	.0001	.0002	.0001	.0002	.0003	.0001
%RSD	2.381	15.21	.8262	.5129	1.098	.6468
#1	.0022	.0013	.0124	.0299	.0280	.0194
#2	.0021	.0015	.0123	.0296	.0284	.0195
#3	.0022	.0017	.0125	.0296	.0285	.0197

Elem	Sn1899	Sr4077	Ti3349
Line	189.989 {477}	407.771 { 83}	334.941 {101}
IS Ref	(Y_2243)	(Y_3710)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	**.0114**	**.1316**	**.0212**
Stddev	.0001	.0007	.0003
%RSD	.6388	.5682	1.455
#1	.0115	.1324	.0209
#2	.0113	.1311	.0215
#3	.0114	.1311	.0212

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	**2784.0**	**29859.**	**7530.7**
Stddev	20.8	279.	157.7
%RSD	.74738	.93600	2.0938
#1	2770.7	29858.	7696.5
#2	2773.4	29581.	7382.7
#3	2808.0	30139.	7512.8

Sample Name: CAL3 Acquired: 4/21/2017 10:51:23 Type: Cal
Method: xin_sw030317(v52) 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	**.7625**	**.0430**	**.0626**	**4.893**	**1.014**	**.5307**
Stddev	.0005	.0003	.0003	.012	.001	.0020
%RSD	.0676	.6892	.5309	.2355	.1196	.3811
#1	.7628	.0434	.0629	4.901	1.015	.5326
#2	.7619	.0429	.0623	4.898	1.014	.5286
#3	.7628	.0428	.0626	4.880	1.013	.5309

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_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.8613**	**.6045**	**.1948**	**.9184**	**.1753**	**.4689**
Stddev	.0012	.0014	.0008	.0046	.0006	.0018
%RSD	.1370	.2320	.4186	.4985	.3704	.3900
#1	.8626	.6061	.1956	.9226	.1760	.4709
#2	.8606	.6037	.1940	.9190	.1749	.4674
#3	.8605	.6036	.1949	.9135	.1749	.4683

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	**.4801**	**1.004**	**4.154**	**.4375**	**.3880**	**.0323**
Stddev	.0015	.003	.008	.0016	.0015	.0002
%RSD	.3124	.2654	.1953	.3676	.3921	.6443
#1	.4816	1.007	4.154	.4393	.3898	.0324
#2	.4787	1.003	4.146	.4373	.3875	.0325
#3	.4799	1.002	4.162	.4361	.3868	.0321

Sample Name: CAL3 Acquired: 4/21/2017 10:51:23 Type: Cal
Method: xin_sw030317(v52) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.0388**	**.0608**	**.1185**	**.4767**	**.1124**	**.4737**
Stddev	.0003	.0005	.0004	.0003	.0004	.0011
%RSD	.8445	.7728	.3521	.0718	.3587	.2397
#1	.0391	.0604	.1189	.4771	.1129	.4749
#2	.0386	.0613	.1183	.4764	.1122	.4734
#3	.0386	.0608	.1182	.4767	.1122	.4727

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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0425**	**6.368**	**1.911**	**.1314**
Stddev	.0002	.016	.006	.0009
%RSD	.5376	.2481	.3149	.6814
#1	.0428	6.382	1.918	.1320
#2	.0424	6.351	1.908	.1318
#3	.0424	6.370	1.906	.1304

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	**2817.5**	**30029.**	**7680.0**
Stddev	16.2	199.	11.8
%RSD	.57581	.66150	.15312
#1	2801.7	29803.	7668.7
#2	2816.8	30177.	7692.2
#3	2834.1	30106.	7679.1

Sample Name: CAL4 Acquired: 4/21/2017 10:55:06 Type: Cal
Method: xin_sw030317(v52) 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	**3.840**	**.2238**	**.3218**	**24.31**	**5.043**	**2.735**
Stddev	.008	.0010	.0001	.02	.010	.008
%RSD	.2011	.4250	.0454	.0784	.2006	.2875
#1	3.838	.2236	.3219	24.31	5.032	2.726
#2	3.849	.2248	.3216	24.33	5.046	2.737
#3	3.834	.2229	.3219	24.29	5.052	2.742

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_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.236**	**2.968**	**.9600**	**4.728**	**.8540**	**2.478**
Stddev	.005	.004	.0005	.001	.0007	.006
%RSD	.1278	.1216	.0475	.0266	.0838	.2520
#1	4.234	2.970	.9604	4.729	.8535	2.471
#2	4.242	2.969	.9595	4.727	.8536	2.483
#3	4.232	2.963	.9600	4.728	.8548	2.481

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	**2.476**	**5.014**	**21.36**	**2.128**	**1.884**	**.1636**
Stddev	.003	.011	.05	.004	.003	.0003
%RSD	.1142	.2142	.2392	.1986	.1633	.1578
#1	2.473	5.007	21.30	2.130	1.886	.1638
#2	2.476	5.009	21.41	2.130	1.886	.1637
#3	2.479	5.027	21.36	2.123	1.881	.1633

Sample Name: CAL4 Acquired: 4/21/2017 10:55:06 Type: Cal
Method: xin_sw030317(v52) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.1964**	**.2982**	**.5908**	**2.344**	**.5627**	**2.367**
Stddev	.0008	.0006	.0008	.004	.0010	.003
%RSD	.3844	.2064	.1373	.1838	.1791	.1346
#1	.1970	.2975	.5902	2.339	.5632	2.368
#2	.1967	.2987	.5905	2.347	.5634	2.370
#3	.1955	.2984	.5917	2.345	.5616	2.364

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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2088**	**32.30**	**9.569**	**.6733**
Stddev	.0006	.03	.005	.0028
%RSD	.3009	.0890	.0494	.4187
#1	.2096	32.28	9.564	.6762
#2	.2084	32.33	9.569	.6731
#3	.2085	32.29	9.573	.6706

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	**2722.9**	**29070.**	**7725.4**
Stddev	9.9	78.	12.5
%RSD	.36484	.26720	.16216
#1	2712.6	28981.	7735.7
#2	2723.6	29125.	7711.5
#3	2732.4	29103.	7729.1

Sample Name: CAL5 Acquired: 4/21/2017 10:58:40 Type: Cal
Method: xin_sw030317(v52) 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	**7.768**	**.4605**	**.6626**	**48.28**	**9.982**	**5.468**
Stddev	.017	.0012	.0019	.19	.009	.017
%RSD	.2227	.2601	.2869	.4007	.0925	.3077
#1	7.763	.4596	.6611	48.07	9.983	5.469
#2	7.754	.4602	.6621	48.31	9.973	5.485
#3	7.787	.4619	.6648	48.45	9.991	5.451

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_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**8.389**	**5.898**	**1.893**	**9.518**	**1.678**	**5.110**
Stddev	.015	.012	.003	.072	.002	.010
%RSD	.1819	.2108	.1613	.7524	.1015	.2023
#1	8.373	5.887	1.894	9.435	1.678	5.104
#2	8.393	5.895	1.896	9.564	1.680	5.105
#3	8.403	5.911	1.890	9.555	1.676	5.122

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	**4.991**	**9.805**	**43.58**	**4.202**	**3.729**	**.3356**
Stddev	.008	.081	.32	.014	.014	.0012
%RSD	.1551	.8294	.7348	.3302	.3761	.3481
#1	4.989	9.805	43.94	4.187	3.713	.3354
#2	4.999	9.887	43.32	4.205	3.732	.3347
#3	4.984	9.724	43.48	4.214	3.741	.3369

Sample Name: CAL5 Acquired: 4/21/2017 10:58:40 Type: Cal
Method: xin_sw030317(v52) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.3994**	**.5834**	**1.173**	**4.593**	**1.136**	**4.775**
Stddev	.0014	.0013	.002	.005	.006	.015
%RSD	.3403	.2195	.1532	.1111	.5336	.3178
#1	.3978	.5819	1.172	4.598	1.129	4.761
#2	.4000	.5841	1.175	4.594	1.135	4.774
#3	.4002	.5842	1.172	4.588	1.142	4.791

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_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.4160**	**64.58**	**18.67**	**1.397**
Stddev	.0012	.76	.09	.014
%RSD	.2866	1.179	.4726	1.033
#1	.4151	65.14	18.60	1.396
#2	.4155	64.88	18.77	1.383
#3	.4173	63.71	18.63	1.411

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	**2583.4**	**28032.**	**7585.3**
Stddev	8.0	75.	52.7
%RSD	.30862	.26778	.69453
#1	2591.0	28098.	7600.8
#2	2584.3	27950.	7526.6
#3	2575.1	28047.	7628.4

Sample Name: icv 4973764 Acquired: 4/21/2017 11:03:02 Type: QC
Method: xin_sw030317(v52) 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	**125100.**	**2468.**	**1239.**	**10100.**	**1005.**	**124800.**
Stddev	184.	6.	2.	12.	4.	536.
%RSD	.1466	.2595	.1223	.1193	.3518	.4298
#1	125100.	2468.	1240.	10100.	1004.	124800.
#2	125000.	2462.	1237.	10090.	1010.	125300.
#3	125300.	2475.	1240.	10110.	1003.	124200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1254.**	**2505.**	**5053.**	**12510.**	**101400.**	**49370.**
Stddev	2.	5.	16.	28.	242.	45.
%RSD	.1377	.1976	.3170	.2209	.2389	.0917
#1	1253.	2503.	5053.	12510.	101400.	49340.
#2	1253.	2502.	5069.	12490.	101600.	49420.
#3	1256.	2511.	5037.	12540.	101100.	49340.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: icv 4973764 Acquired: 4/21/2017 11:03:02 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**124500.**	**5045.**	**124600.**	**2523.**	**7571.**	**984.8**
Stddev	308.	16.	146.	5.	13.	9.1
%RSD	.2472	.3210	.1171	.2048	.1736	.9220
#1	124600.	5053.	124500.	2521.	7564.	980.7
#2	124800.	5056.	124500.	2520.	7563.	978.5
#3	124200.	5026.	124700.	2529.	7586.	995.2
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	**2478.**	**2548.**	**2514.**	**2534.**	**1005.**	**2502.**
Stddev	16.	3.	4.	3.	5.	5.
%RSD	.6441	.1183	.1617	.1040	.4717	.2117
#1	2467.	2544.	2515.	2533.	1003.	2498.
#2	2470.	2550.	2518.	2537.	1002.	2501.
#3	2496.	2549.	2510.	2532.	1011.	2508.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: icv 4973764 Acquired: 4/21/2017 11:03:02 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1004.**	**4998.**	**10190.**	**9807.**
Stddev	3.	3.	94.	115.
%RSD	.3050	.0519	.9245	1.170
#1	1001.	4995.	10240.	9748.
#2	1004.	4998.	10250.	9734.
#3	1007.	5000.	10080.	9939.
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	**2691.0**	**28916.**	**7642.3**
Stddev	2.5	149.	112.6
%RSD	.09353	.51625	1.4739
#1	2689.8	28915.	7614.2
#2	2693.9	28768.	7546.4
#3	2689.3	29066.	7766.4

Sample Name: icvl 4982081 Acquired: 4/21/2017 11:10:41 Type: QC
Method: xin_sw030317(v52) 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	**223.6**	**15.49**	**9.562**	**210.7**	**2.243**	**5170.**
Stddev	9.1	1.23	.148	.7	.024	15.
%RSD	4.087	7.915	1.544	.3148	1.073	.2835
#1	222.6	15.69	9.517	210.4	2.220	5162.
#2	215.0	14.17	9.443	210.3	2.239	5161.
#3	233.2	16.60	9.727	211.5	2.268	5187.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.370**	**53.56**	**11.01**	**25.42**	**162.2**	**4960.**
Stddev	.081	.23	.41	.26	7.3	22.
%RSD	1.852	.4209	3.708	1.029	4.509	.4395
#1	4.349	53.34	11.17	25.19	166.8	4942.
#2	4.459	53.79	11.32	25.37	166.0	4985.
#3	4.302	53.54	10.55	25.71	153.8	4955.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: icvl 4982081 Acquired: 4/21/2017 11:10:41 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5002.**	**16.06**	**4888.**	**42.69**	**11.40**	**19.69**
Stddev	4.	.14	24.	.26	.81	1.72
%RSD	.0750	.8937	.4828	.6158	7.072	8.711
#1	4998.	15.90	4914.	42.40	12.33	21.64
#2	5005.	16.09	4869.	42.92	10.91	18.42
#3	5004.	16.18	4880.	42.73	10.96	19.00
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	**19.29**	**23.14**	**52.25**	**32.06**	**50.14**	**20.79**
Stddev	3.15	.84	.43	.30	.40	.03
%RSD	16.34	3.616	.8139	.9323	.7929	.1281
#1	22.92	22.18	51.75	32.34	50.09	20.78
#2	17.61	23.52	52.48	31.75	50.55	20.77
#3	17.33	23.71	52.50	32.10	49.76	20.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: icvl 4982081 Acquired: 4/21/2017 11:10:41 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**51.36**	**20.91**	**22.17**	F **20.58**
Stddev	.17	.10	.16	9.02
%RSD	.3218	.4934	.7040	43.83
#1	51.24	20.81	22.09	11.37
#2	51.30	20.90	22.35	20.96
#3	51.55	21.01	22.06	29.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2921.4**	**30853.**	**7794.4**
Stddev	12.3	142.	67.4
%RSD	.42016	.46157	.86508
#1	2907.4	30689.	7716.7
#2	2930.4	30930.	7829.0
#3	2926.5	30941.	7837.5

Sample Name: icsab 4875598 Acquired: 4/21/2017 11:18:42 Type: QC
Method: xin_sw030317(v52) 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	**513700.**	**95.02**	**107.7**	**102.0**	**101.6**	**503700.**
Stddev	1477.	.80	.7	.2	.4	2690.
%RSD	.2875	.8441	.6386	.2050	.3782	.5340
#1	512000.	95.69	106.9	101.8	101.2	506300.
#2	514100.	95.23	107.8	102.1	101.6	504000.
#3	514800.	94.13	108.3	102.2	102.0	500900.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**96.83**	**96.19**	**99.74**	**104.2**	**200700.**	**10160.**
Stddev	.47	.25	.91	1.2	806.	54.
%RSD	.4830	.2601	.9169	1.135	.4014	.5306
#1	96.33	96.01	99.74	102.9	200200.	10170.
#2	97.25	96.47	98.83	105.2	200300.	10100.
#3	96.90	96.08	100.7	104.6	201600.	10210.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: icsab 4875598 Acquired: 4/21/2017 11:18:42 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**510200.**	**102.8**	**10170.**	**95.85**	**94.48**	**94.38**
Stddev	822.	.4	48.	.91	1.85	1.56
%RSD	.1611	.3527	.4744	.9515	1.961	1.653
#1	509800.	102.8	10120.	95.88	96.56	94.72
#2	511200.	102.5	10170.	96.76	93.91	92.68
#3	509700.	103.2	10220.	94.93	92.99	95.75
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	**98.75**	**97.57**	**109.5**	**94.59**	**91.44**	**98.57**
Stddev	4.47	4.82	1.2	.15	.38	.57
%RSD	4.527	4.941	1.119	.1561	.4122	.5767
#1	94.15	97.13	108.1	94.68	91.01	97.91
#2	103.1	92.99	109.9	94.66	91.59	98.95
#3	99.04	102.6	110.5	94.42	91.72	98.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: icsab 4875598 Acquired: 4/21/2017 11:18:42 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**107.2**	**103.7**	**109.5**	**63.46**
Stddev	1.2	.4	.4	18.47
%RSD	1.160	.3506	.3806	29.10
#1	106.5	103.4	109.1	66.08
#2	106.4	103.6	109.6	43.82
#3	108.6	104.1	109.9	80.47
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	**2614.5**	**27241.**	**7552.8**
Stddev	6.6	104.	74.6
%RSD	.25304	.38341	.98766
#1	2608.8	27129.	7469.0
#2	2612.9	27336.	7577.4
#3	2621.7	27257.	7611.9

Sample Name: int-10b 4786949 Acquired: 4/21/2017 11:26:47 Type: QC
Method: xin_sw030317(v52) 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	**28.56**	**-.7116**	**.9971**	**-.5237**	**1.015**	**-9.245**
Stddev	9.36	1.441	.3597	.1436	.197	5.021
%RSD	32.76	202.6	36.07	27.41	19.37	54.30
#1	35.76	.8349	1.066	-.3925	1.234	-3.968
#2	17.98	-.9517	1.317	-.6771	.9576	-13.96
#3	31.95	-2.018	.6080	-.5015	.8535	-9.805
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9570**	**-.8446**	**9927.**	**9540.**	**-35.90**	**-9.358**
Stddev	.0487	.3335	57.	9.	1.65	24.57
%RSD	5.091	39.49	.5783	.0975	4.598	262.6
#1	-.9691	-1.099	9991.	9549.	-33.99	-22.52
#2	-.9985	-.9680	9881.	9531.	-36.84	-24.54
#3	-.9034	-.4670	9909.	9541.	-36.85	18.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: int-10b 4786949 Acquired: 4/21/2017 11:26:47 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**44.06**	**9915.**	**-14.47**	**10490.**	**4.385**	**-14.36**
Stddev	2.18	28.	7.38	38.	.654	1.57
%RSD	4.948	.2816	50.97	.3667	14.92	10.90
#1	45.38	9935.	-6.090	10540.	5.127	-14.59
#2	41.55	9883.	-17.35	10490.	4.135	-15.80
#3	45.27	9928.	-19.97	10460.	3.893	-12.69
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	**-8.031**	**-4.817**	**-3.221**	**.6080**	**1.379**	**4948.**
Stddev	1.737	1.588	.299	.1157	1.001	9.
%RSD	21.63	32.96	9.293	19.04	72.55	.1766
#1	-7.308	-4.266	-3.142	.6352	1.882	4952.
#2	-10.01	-6.607	-3.552	.7077	2.029	4954.
#3	-6.772	-3.577	-2.969	.4811	.2269	4938.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: int-10b 4786949 Acquired: 4/21/2017 11:26:47 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.2149**	**.4564**	**9741.**	**-2.785**
Stddev	.8972	.1564	166.	2.744
%RSD	417.5	34.25	1.706	98.55
#1	1.227	.6354	9933.	-3.283
#2	-.4822	.3877	9651.	.1748
#3	-.1003	.3463	9639.	-5.245
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	**2815.8**	**30758.**	**7722.6**
Stddev	25.7	403.	114.8
%RSD	.91254	1.3118	1.4868
#1	2786.5	30306.	7619.5
#2	2826.3	30884.	7702.0
#3	2834.5	31083.	7846.3

Sample Name: CCV Acquired: 4/21/2017 11:34:59 Type: QC
Method: xin_sw030317(v52) 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	**124900.**	**2456.**	**1237.**	**10080.**	**1005.**	**125600.**
Stddev	301.	30.	4.	17.	2.	715.
%RSD	.2408	1.214	.2928	.1702	.1907	.5690
#1	124900.	2438.	1241.	10060.	1007.	126200.
#2	124700.	2439.	1236.	10070.	1003.	125800.
#3	125300.	2490.	1234.	10100.	1006.	124800.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1252.**	**2499.**	**5073.**	**12450.**	**101600.**	**49430.**
Stddev	2.	2.	18.	12.	314.	58.
%RSD	.1214	.0966	.3590	.0976	.3085	.1171
#1	1250.	2497.	5084.	12450.	101900.	49500.
#2	1252.	2499.	5083.	12470.	101700.	49390.
#3	1253.	2502.	5052.	12440.	101300.	49400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 11:34:59 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**125000.**	**5062.**	**124500.**	**2515.**	**7539.**	**976.7**
Stddev	616.	29.	232.	2.	18.	2.4
%RSD	.4929	.5792	.1861	.0950	.2346	.2465
#1	125400.	5087.	124700.	2513.	7520.	978.2
#2	125200.	5069.	124200.	2515.	7539.	973.9
#3	124300.	5030.	124500.	2518.	7556.	978.0
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	**2451.**	**2533.**	**2518.**	**2533.**	**990.4**	**2491.**
Stddev	15.	6.	7.	4.	6.8	8.
%RSD	.6199	.2445	.2621	.1529	.6816	.3190
#1	2445.	2536.	2519.	2536.	984.9	2487.
#2	2441.	2526.	2525.	2534.	988.5	2487.
#3	2469.	2537.	2511.	2529.	998.0	2501.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 11:34:59 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1002.**	**4984.**	**10220.**	**9578.**
Stddev	4.	11.	6.	48.
%RSD	.3987	.2119	.0604	.4983
#1	998.3	4997.	10220.	9577.
#2	1002.	4980.	10220.	9625.
#3	1006.	4977.	10210.	9530.
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	**2691.0**	**28579.**	**7425.4**
Stddev	8.4	201.	22.2
%RSD	.31269	.70302	.29951
#1	2687.8	28487.	7430.9
#2	2684.6	28440.	7444.5
#3	2700.5	28809.	7401.0

Sample Name: CCB Acquired: 4/21/2017 11:38:33 Type: QC
Method: xin_sw030317(v52) 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	**4.988**	**.3381**	**-.4186**	**.0397**	**.1392**	**-5.928**
Stddev	11.18	1.589	.0415	.0464	.0581	4.056
%RSD	224.2	470.0	9.904	116.7	41.73	68.43
#1	11.38	1.691	-.3710	.0867	.1786	-8.720
#2	-7.923	-1.412	-.4468	.0384	.1663	-1.275
#3	11.51	.7346	-.4381	-.0060	.0725	-7.789
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0172**	**.0157**	**.5472**	**-.1504**	**5.678**	**-13.39**
Stddev	.0016	.1879	.0842	.0713	4.150	40.12
%RSD	9.390	1194.	15.39	47.41	73.08	299.7
#1	.0163	-.0768	.4691	-.0836	1.333	2.326
#2	.0161	-.1079	.5361	-.1422	6.102	-58.98
#3	.0190	.2319	.6364	-.2255	9.600	16.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 11:38:33 Type: QC
Method: xin_sw030317(v52) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-2.293**	**.0526**	**-29.69**	**-.3766**	**1.845**	**-.1322**
Stddev	3.991	.0485	12.61	.0411	.886	1.129
%RSD	174.1	92.26	42.47	10.91	48.04	853.8
#1	-1.598	.0932	-17.15	-.3541	1.738	.7111
#2	1.305	.0656	-29.55	-.4241	2.779	-1.415
#3	-6.585	-.0011	-42.37	-.3518	1.017	.3072
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	**-3.163**	**1.252**	**.0455**	**-.3991**	**1.255**	**.8786**
Stddev	1.327	.649	.2242	.1151	.398	.2323
%RSD	41.94	51.85	492.7	28.84	31.70	26.44
#1	-2.665	1.953	.2211	-.4282	1.599	1.139
#2	-2.157	.6719	.1224	-.2723	1.348	.6925
#3	-4.667	1.130	-.2070	-.4969	.8191	.8043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 11:38:33 Type: QC
Method: xin_sw030317(v52) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5100**	**.1268**	**.4666**	**8.122**
Stddev	.5424	.1475	.2167	2.320
%RSD	106.4	116.3	46.45	28.56
#1	.6496	.2661	.6834	6.050
#2	.9689	.1420	.4666	10.63
#3	-.0886	-.0277	.2499	7.687
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	**2827.2**	**29977.**	**7445.4**
Stddev	5.3	233.	218.3
%RSD	.18639	.77753	2.9324
#1	2822.8	30244.	7690.2
#2	2825.7	29870.	7375.4
#3	2833.0	29815.	7270.7

Sample Name: MB 460-431929/1-A@2 Acquired: 4/21/2017 12:23:25 Type: Unk
Method: xin_sw030317(v53) 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	**.5162**	**.7897**	**-.7574**	**-.1157**	**.0048**	**-2.607**
Stddev	6.837	.7861	.2473	.1154	.0527	1.301
%RSD	1324.	99.54	32.66	99.75	1104.	49.90
#1	-.3336	1.152	-1.027	-.2457	-.0282	-4.051
#2	-5.857	-.1122	-.7043	-.0760	.0655	-1.526
#3	7.739	1.329	-.5408	-.0253	-.0230	-2.244
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0214**	**-.0714**	**-.1025**	**-.1346**	**-1.339**	**-31.12**
Stddev	.0378	.2754	.2309	.3364	8.203	13.63
%RSD	176.8	385.7	225.2	249.8	612.7	43.80
#1	.0207	.0406	.1639	-.0805	3.105	-15.38
#2	-.0322	-.3852	-.2276	.1714	3.683	-39.06
#3	-.0526	.1303	-.2438	-.4948	-10.81	-38.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-431929/1-A@2 Acquired: 4/21/2017 12:23:25 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-2.926**	**-.0399**	**-36.52**	**-.0968**	**-.6302**	**-.5730**
Stddev	1.575	.0338	7.43	.3328	.3194	1.601
%RSD	53.83	84.88	20.35	343.9	50.68	279.3
#1	-1.147	-.0789	-44.60	-.3171	-.7981	-1.579
#2	-3.487	-.0185	-29.97	-.2593	-.8306	1.273
#3	-4.144	-.0222	-35.00	.2860	-.2619	-1.413
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	**-.9486**	**-.6742**	**.0372**	**-.1352**	**-.5634**	**-.0869**
Stddev	.6720	.6649	.1768	.1460	.3541	.1917
%RSD	70.84	98.63	475.4	108.0	62.85	220.5
#1	-.8624	-.0136	.0965	-.1247	-.6354	.1167
#2	-1.660	-.6655	.1768	-.2861	-.1789	-.2638
#3	-.3238	-1.343	-.1617	.0053	-.8759	-.1137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-431929/1-A@2 Acquired: 4/21/2017 12:23:25 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8122**	**.0589**	**-.0596**	**14.58**
Stddev	.6828	.0467	.1088	3.82
%RSD	84.06	79.33	182.5	26.18
#1	.0308	.0087	-.1414	18.11
#2	1.112	.0668	.0638	15.09
#3	1.294	.1011	-.1012	10.53
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	**2923.6**	**31084.**	**7800.6**
Stddev	5.0	159.	85.9
%RSD	.16980	.51003	1.1015
#1	2918.1	30908.	7767.6
#2	2927.7	31215.	7898.1
#3	2925.1	31130.	7736.0

Sample Name: 460-131787-B-5-G DU Acquired: 4/21/2017 12:31:06 Type: Unk
Method: xin_sw030317(v53) 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	**54360.**	**16.03**	**-.8046**	**297.9**	**3.713**	**3201.**
Stddev	182.	.94	.6126	.2	.049	18.
%RSD	.3355	5.840	76.13	.0695	1.326	.5552
#1	54440.	16.93	-1.452	297.8	3.714	3180.
#2	54150.	16.10	-.7279	297.9	3.664	3210.
#3	54480.	15.06	-.2340	298.2	3.762	3212.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.611**	**49.46**	**56.92**	**58.73**	**123200.**	**5602.**
Stddev	.209	.09	.87	.29	629.	15.
%RSD	12.99	.1854	1.527	.4880	.5103	.2642
#1	-1.397	49.36	55.92	58.79	122500.	5588.
#2	-1.815	49.54	57.50	58.41	123600.	5602.
#3	-1.622	49.48	57.33	58.98	123500.	5618.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131787-B-5-G DU Acquired: 4/21/2017 12:31:06 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**16510.**	**2405.**	**156.2**	**94.09**	**49.13**	**-2.035**
Stddev	92.	6.	3.1	.44	.80	.799
%RSD	.5544	.2497	1.972	.4640	1.626	39.26
#1	16410.	2398.	154.5	93.95	49.31	-1.236
#2	16540.	2410.	159.7	93.74	48.26	-2.034
#3	16580.	2405.	154.2	94.58	49.82	-2.834
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	**6.342**	**-7.762**	**64.66**	**304.8**	**.8613**	**1.238**
Stddev	1.262	2.407	.57	1.6	.2929	.165
%RSD	19.90	31.01	.8760	.5095	34.00	13.30
#1	6.866	-5.085	64.26	304.0	1.001	1.135
#2	7.257	-8.453	65.31	303.9	.5247	1.150
#3	4.902	-9.749	64.40	306.6	1.058	1.428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131787-B-5-G DU Acquired: 4/21/2017 12:31:06 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.92**	**23.85**	**505.2**	**1096.**
Stddev	.27	.12	1.7	23.
%RSD	2.451	.4900	.3432	2.071
#1	10.85	23.94	503.5	1111.
#2	10.70	23.72	505.1	1070.
#3	11.22	23.90	507.0	1106.
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	**3006.7**	**31894.**	**8165.9**
Stddev	11.7	103.	72.8
%RSD	.38928	.32215	.89174
#1	2994.9	32006.	8135.8
#2	3007.0	31805.	8248.9
#3	3018.3	31871.	8112.9

Sample Name: sd 460-131787-B-5-F Acquired: 4/21/2017 12:38:47 Type: Unk
Method: xin_sw030317(v53) 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	**10900.**	**3.512**	**-.1356**	**59.57**	**.8240**	**651.7**
Stddev	86.	2.305	.4228	.36	.0958	5.9
%RSD	.7924	65.64	311.9	.5969	11.63	.9119
#1	10810.	5.630	-.5558	59.33	.7196	646.7
#2	10910.	1.057	-.1407	59.40	.9079	658.2
#3	10980.	3.850	.2898	59.98	.8443	650.0
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2968**	**10.21**	**11.63**	**11.56**	**25040.**	**1095.**
Stddev	.1567	.14	.45	.35	302.	30.
%RSD	52.78	1.410	3.833	3.056	1.208	2.702
#1	-.2806	10.33	11.13	11.60	24700.	1101.
#2	-.4610	10.25	11.78	11.19	25140.	1063.
#3	-.1489	10.05	11.99	11.90	25280.	1121.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-131787-B-5-F Acquired: 4/21/2017 12:38:47 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3427.**	**479.1**	**5.282**	**19.51**	**8.249**	**-.6122**
Stddev	71.	5.9	6.650	.28	1.492	.9571
%RSD	2.077	1.223	125.9	1.435	18.09	156.3
#1	3352.	472.5	12.96	19.26	8.906	-.4404
#2	3434.	481.5	1.232	19.45	6.541	.2472
#3	3494.	483.4	1.657	19.81	9.299	-1.644
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	**-1.322**	**-1.580**	**13.05**	**62.20**	**.0196**	**.0570**
Stddev	2.617	.199	.32	.71	.4223	.0680
%RSD	197.9	12.58	2.468	1.148	2152.	119.4
#1	-.0596	-1.721	12.68	61.89	-.3129	-.0172
#2	-4.332	-1.666	13.24	61.69	-.1230	.1166
#3	.4240	-1.353	13.23	63.02	.4947	.0716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-131787-B-5-F Acquired: 4/21/2017 12:38:47 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.467**	**4.845**	**103.2**	**229.4**
Stddev	.539	.116	2.0	14.6
%RSD	21.84	2.389	1.899	6.364
#1	2.618	4.735	101.5	216.9
#2	2.914	4.966	102.8	225.9
#3	1.869	4.833	105.3	245.5
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	**2958.4**	**31432.**	**7959.3**
Stddev	5.3	127.	42.1
%RSD	.17923	.40271	.52844
#1	2956.3	31574.	7999.7
#2	2964.4	31331.	7962.3
#3	2954.4	31392.	7915.8

Sample Name: 460-131784-A-3-B@4 Acquired: 4/21/2017 12:50:04 Type: Unk
Method: xin_sw030317(v53) 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	**22840.**	**51.82**	**2.122**	**511.2**	**3.032**	**62630.**
Stddev	23.	.86	.626	1.0	.048	518.
%RSD	.1000	1.661	29.50	.1882	1.566	.8276
#1	22820.	52.59	1.400	510.1	2.982	62030.
#2	22860.	50.89	2.510	511.6	3.077	62870.
#3	22830.	51.98	2.456	512.0	3.037	62980.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**18.56**	**31.04**	**755.6**	**643.6**	**123200.**	**3371.**
Stddev	.27	.38	6.5	1.7	883.	11.
%RSD	1.472	1.217	.8624	.2664	.7172	.3334
#1	18.41	30.64	748.1	642.1	122100.	3383.
#2	18.40	31.08	758.9	643.2	123600.	3361.
#3	18.88	31.40	759.9	645.5	123700.	3369.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-A-3-B@4 Acquired: 4/21/2017 12:50:04 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**21030.**	**5703.**	**1118.**	**128.6**	**5728.**	**113.1**
Stddev	163.	39.	4.	.5	11.	2.1
%RSD	.7725	.6868	.3503	.3905	.1933	1.891
#1	20840.	5658.	1113.	128.1	5716.	114.8
#2	21100.	5721.	1121.	129.1	5730.	110.7
#3	21140.	5730.	1119.	128.7	5737.	113.7
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	**5.628**	**-7.166**	**275.4**	F **8474.**	**31.81**	**7.539**
Stddev	4.054	.734	2.0	11.	.35	.155
%RSD	72.03	10.25	.7348	.1324	1.092	2.061
#1	9.767	-7.061	273.2	8462.	32.20	7.400
#2	1.665	-7.947	275.9	8484.	31.71	7.511
#3	5.453	-6.490	277.1	8477.	31.53	7.707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-A-3-B@4 Acquired: 4/21/2017 12:50:04 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**239.4**	**240.5**	**1453.**	**1094.**
Stddev	2.8	.2	7.	6.
%RSD	1.165	.0944	.4968	.5749
#1	236.6	240.3	1444.	1101.
#2	239.4	240.5	1455.	1092.
#3	242.1	240.8	1458.	1089.
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	**2878.2**	**30458.**	**7750.6**
Stddev	9.5	175.	30.7
%RSD	.33012	.57575	.39581
#1	2873.6	30656.	7779.8
#2	2871.8	30321.	7753.5
#3	2889.1	30398.	7718.6

Sample Name: 460-131784-A-5-B@4 Acquired: 4/21/2017 12:57:44 Type: Unk
Method: xin_sw030317(v53) 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	**25040.**	**66.92**	**1.764**	**685.6**	**3.078**	**35670.**
Stddev	105.	1.05	.396	1.5	.065	144.
%RSD	.4189	1.565	22.45	.2174	2.120	.4045
#1	24920.	67.86	2.218	684.2	3.153	35530.
#2	25080.	67.10	1.492	685.6	3.034	35660.
#3	25110.	65.79	1.581	687.2	3.047	35820.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**28.44**	**37.08**	**344.3**	**1040.**	**130700.**	**3463.**
Stddev	.14	.16	1.4	1.	51.	27.
%RSD	.4992	.4305	.4180	.0585	.0393	.7676
#1	28.33	36.91	342.9	1039.	130700.	3449.
#2	28.60	37.23	344.4	1040.	130700.	3447.
#3	28.39	37.10	345.8	1040.	130800.	3494.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-A-5-B@4 Acquired: 4/21/2017 12:57:44 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**10240.**	**2677.**	**836.7**	**151.1**	**9381.**	**61.83**
Stddev	57.	11.	9.4	1.0	22.	1.06
%RSD	.5555	.4121	1.128	.6528	.2364	1.714
#1	10240.	2665.	838.2	150.3	9358.	62.11
#2	10290.	2680.	826.6	150.9	9382.	60.66
#3	10180.	2686.	845.3	152.2	9402.	62.73
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	**3.032**	**-6.287**	**190.0**	F **9500.**	**19.17**	**9.862**
Stddev	.720	2.417	2.2	20.	.30	.376
%RSD	23.75	38.44	1.161	.2095	1.570	3.814
#1	3.352	-5.236	187.6	9478.	18.91	9.872
#2	3.538	-4.574	190.4	9517.	19.50	9.481
#3	2.208	-9.052	192.0	9506.	19.09	10.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-A-5-B@4 Acquired: 4/21/2017 12:57:44 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**297.8**	**299.9**	**1708.**	**946.5**
Stddev	1.0	.6	2.	15.8
%RSD	.3463	.1884	.1168	1.673
#1	297.4	299.3	1710.	964.3
#2	297.1	300.2	1707.	941.2
#3	299.0	300.4	1707.	934.0
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	**2920.8**	**30990.**	**7840.6**
Stddev	11.0	91.	89.8
%RSD	.37599	.29421	1.1454
#1	2913.5	30949.	7932.2
#2	2915.5	31094.	7837.0
#3	2933.4	30926.	7752.7

Sample Name: CCVL Acquired: 4/21/2017 13:09:09 Type: QC
Method: xin_sw030317(v53) 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	**228.2**	**15.74**	**9.503**	**214.3**	**2.298**	**5250.**
Stddev	1.5	1.11	.443	.6	.068	2.
%RSD	.6504	7.042	4.664	.2765	2.971	.0337
#1	229.8	16.31	9.632	213.7	2.297	5248.
#2	227.9	16.45	9.867	214.7	2.230	5252.
#3	226.9	14.46	9.010	214.6	2.367	5251.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.393**	**54.44**	**10.49**	**24.87**	**172.2**	**4983.**
Stddev	.166	.23	.18	.28	5.4	16.
%RSD	3.772	.4201	1.699	1.127	3.146	.3130
#1	4.420	54.27	10.40	24.96	176.8	4971.
#2	4.215	54.36	10.70	25.09	173.5	4978.
#3	4.543	54.70	10.38	24.55	166.2	5001.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 13:09:09 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5096.**	**16.26**	**4941.**	**43.86**	**7.526**	**19.88**
Stddev	25.	.11	17.	.55	1.692	1.27
%RSD	.5001	.6563	.3489	1.262	22.48	6.361
#1	5069.	16.14	4929.	43.56	7.429	18.93
#2	5100.	16.34	4934.	44.50	5.885	21.32
#3	5119.	16.31	4961.	43.52	9.264	19.39
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	**18.65**	**23.17**	**52.07**	**33.07**	**50.05**	**20.84**
Stddev	2.07	.90	.32	.18	.38	.08
%RSD	11.11	3.906	.6075	.5370	.7572	.3906
#1	16.27	24.10	51.73	33.02	50.41	20.93
#2	19.62	23.12	52.14	32.92	50.10	20.80
#3	20.07	22.29	52.35	33.26	49.65	20.78
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 13:09:09 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**52.90**	**21.11**	**22.50**	F **21.97**
Stddev	.71	.11	.15	7.76
%RSD	1.350	.5171	.6763	35.34
#1	53.57	21.17	22.51	27.81
#2	52.15	20.98	22.34	13.16
#3	52.99	21.17	22.65	24.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2867.6**	**30340.**	**7645.4**
Stddev	7.7	91.	35.0
%RSD	.26777	.29913	.45778
#1	2873.1	30254.	7685.8
#2	2870.9	30435.	7624.0
#3	2858.8	30331.	7626.4

Sample Name: 460-131784-A-8-A@4 Acquired: 4/21/2017 13:20:43 Type: Unk
Method: xin_sw030317(v53) 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	**20870.**	**378.3**	**2093.**	**2030.**	**75.05**	**52420.**
Stddev	122.	4.7	3.	5.	.25	182.
%RSD	.5845	1.248	.1197	.2435	.3322	.3472
#1	20740.	376.7	2091.	2031.	74.95	52230.
#2	20880.	374.6	2093.	2025.	74.87	52430.
#3	20990.	383.6	2096.	2035.	75.33	52590.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16.71**	**25.31**	**231.4**	**18490.**	**105900.**	**2676.**
Stddev	.10	.25	.6	19.	229.	20.
%RSD	.5854	.9957	.2661	.1006	.2161	.7630
#1	16.82	25.46	230.7	18500.	105700.	2676.
#2	16.63	25.02	231.9	18470.	106000.	2656.
#3	16.68	25.45	231.6	18510.	106100.	2697.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-A-8-A@4 Acquired: 4/21/2017 13:20:43 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**21810.**	**2985.**	**639.0**	**253.0**	F **276100.**	F **108800.**
Stddev	63.	7.	5.8	1.9	733.	171.
%RSD	.2901	.2483	.9074	.7703	.2654	.1572
#1	21740.	2977.	632.3	251.5	276200.	109000.
#2	21840.	2984.	641.5	252.3	275400.	108700.
#3	21850.	2992.	643.1	255.2	276800.	108800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					15000.	2000.
Low Limit					-10.00	-20.00

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	**-1.902**	**-5.792**	**43.49**	F **5814.**	**10.97**	**3.310**
Stddev	.633	3.196	.48	30.	.26	.146
%RSD	33.29	55.18	1.101	.5097	2.398	4.426
#1	-2.355	-7.763	43.97	5806.	10.72	3.185
#2	-1.178	-2.104	43.01	5790.	10.96	3.471
#3	-2.174	-7.510	43.47	5847.	11.24	3.273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-A-8-A@4 Acquired: 4/21/2017 13:20:43 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F **376900.**	**265.3**	**663.8**	**1380.**
Stddev	951.	1.1	1.4	19.
%RSD	.2523	.4255	.2170	1.393
#1	376900.	264.0	663.7	1384.
#2	376000.	265.8	662.4	1359.
#3	377900.	266.1	665.2	1396.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2000.			
Low Limit	-50.00			

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	**2896.6**	**30734.**	**7968.0**
Stddev	14.1	80.	15.2
%RSD	.48849	.26157	.19067
#1	2881.6	30668.	7971.9
#2	2909.7	30711.	7951.2
#3	2898.5	30824.	7980.8

Sample Name: LCSSRM 460-431929/2- Acquired: 4/21/2017 12:27:27 Type: Unk
Method: xin_sw030317(v53) 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	**42130.**	**263.5**	**257.1**	**548.3**	**331.7**	**31850.**
Stddev	345.	1.8	1.9	1.8	1.6	298.
%RSD	.8175	.6928	.7269	.3304	.4970	.9348
#1	41750.	263.7	255.0	546.3	329.8	31520.
#2	42240.	265.2	257.9	548.9	332.7	31910.
#3	42410.	261.6	258.4	549.7	332.6	32110.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**385.7**	**300.1**	**330.4**	**276.6**	**74130.**	**12060.**
Stddev	.7	1.7	1.6	.5	646.	37.
%RSD	.1821	.5729	.4910	.1885	.8719	.3050
#1	384.9	298.2	328.7	276.0	73420.	12030.
#2	386.3	300.6	330.6	277.0	74300.	12060.
#3	385.8	301.6	332.0	276.7	74680.	12100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-431929/2- Acquired: 4/21/2017 12:27:27 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**13260.**	**1369.**	**4365.**	**318.8**	**399.6**	**222.6**
Stddev	96.	9.	33.	2.0	2.1	2.5
%RSD	.7247	.6498	.7549	.6292	.5304	1.121
#1	13160.	1359.	4328.	316.5	397.8	219.7
#2	13300.	1373.	4375.	319.5	399.0	224.1
#3	13340.	1375.	4392.	320.3	401.9	224.1
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	**378.3**	**937.0**	**284.1**	**1008.**	**384.3**	**275.9**
Stddev	3.0	5.2	1.5	5.	2.7	2.2
%RSD	.7903	.5536	.5217	.5124	.6907	.7873
#1	375.1	932.3	282.6	1002.	381.3	273.6
#2	378.7	936.1	285.6	1012.	385.6	276.3
#3	381.0	942.6	284.2	1010.	386.1	277.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-431929/2- Acquired: 4/21/2017 12:27:27 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**776.7**	**439.5**	**1859.**	**957.5**
Stddev	3.5	1.8	11.	31.7
%RSD	.4460	.4013	.5675	3.314
#1	774.1	437.5	1848.	991.9
#2	775.3	441.0	1859.	951.2
#3	780.6	440.0	1869.	929.3
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	**2974.2**	**31272.**	**7974.0**
Stddev	11.0	169.	87.1
%RSD	.37056	.54096	1.0923
#1	2967.6	31448.	8061.0
#2	2968.1	31258.	7974.2
#3	2986.9	31111.	7886.8

Sample Name: 460-131787-B-5-F@4 Acquired: 4/21/2017 12:34:56 Type: Unk
Method: xin_sw030317(v53) 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	**54490.**	**17.55**	**-.9370**	**297.5**	**3.684**	**3205.**
Stddev	25.	3.04	.3181	.5	.058	13.
%RSD	.0466	17.29	33.95	.1797	1.586	.4068
#1	54470.	15.11	-.6047	297.8	3.687	3196.
#2	54490.	16.59	-1.239	296.9	3.624	3220.
#3	54520.	20.95	-.9676	297.9	3.740	3200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.494**	**49.30**	**57.42**	**58.44**	**123500.**	**5594.**
Stddev	.108	.52	.33	.22	522.	9.
%RSD	7.242	1.063	.5729	.3791	.4221	.1660
#1	-1.456	48.76	57.79	58.68	123100.	5604.
#2	-1.615	49.34	57.31	58.24	124100.	5589.
#3	-1.409	49.81	57.16	58.39	123500.	5587.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131787-B-5-F@4 Acquired: 4/21/2017 12:34:56 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**16550.**	**2407.**	**157.4**	**93.90**	**50.52**	**-.8947**
Stddev	62.	4.	.5	.34	1.23	.8073
%RSD	.3752	.1466	.3211	.3667	2.443	90.23
#1	16500.	2404.	156.9	94.24	50.30	-1.117
#2	16620.	2411.	157.5	93.55	51.85	-1.568
#3	16520.	2407.	157.9	93.89	49.41	.0004
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	**1.883**	**-9.191**	**64.08**	**304.2**	**.9448**	**1.444**
Stddev	2.766	2.131	.77	.7	.5751	.338
%RSD	146.9	23.19	1.207	.2330	60.86	23.42
#1	3.538	-6.730	63.34	303.5	1.603	1.106
#2	-1.310	-10.47	64.01	304.9	.5396	1.782
#3	3.422	-10.38	64.88	304.2	.6919	1.443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131787-B-5-F@4 Acquired: 4/21/2017 12:34:56 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11.83**	**23.74**	**510.2**	**1114.**
Stddev	.08	.06	1.1	49.
%RSD	.7109	.2719	.2108	4.366
#1	11.78	23.68	508.9	1168.
#2	11.93	23.72	510.9	1098.
#3	11.78	23.81	510.7	1075.
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	**3011.0**	**31859.**	**8163.0**
Stddev	13.2	205.	132.5
%RSD	.43862	.64197	1.6230
#1	2999.0	31948.	8315.6
#2	3008.9	31625.	8095.6
#3	3025.2	32005.	8077.7

Sample Name: CCV Acquired: 4/21/2017 13:50:59 Type: QC
Method: xin_sw030317(v53) 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	**124900.**	**2469.**	**1245.**	**10130.**	**1002.**	**126400.**
Stddev	234.	7.	4.	14.	2.	400.
%RSD	.1877	.3021	.3282	.1398	.2204	.3164
#1	124600.	2476.	1241.	10140.	1000.	126100.
#2	125000.	2470.	1250.	10120.	1004.	126800.
#3	125100.	2461.	1245.	10140.	1001.	126100.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1260.**	**2505.**	**5107.**	**12430.**	**102700.**	**49370.**
Stddev	2.	3.	17.	26.	372.	90.
%RSD	.1495	.1063	.3287	.2063	.3625	.1833
#1	1262.	2506.	5096.	12450.	102500.	49270.
#2	1258.	2502.	5126.	12430.	103100.	49390.
#3	1261.	2507.	5098.	12400.	102500.	49440.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 13:50:59 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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.**	**5086.**	**124900.**	**2533.**	**7517.**	**981.7**
Stddev	375.	18.	199.	3.	9.	2.2
%RSD	.2975	.3571	.1591	.1205	.1158	.2216
#1	125900.	5082.	124600.	2537.	7520.	982.6
#2	126600.	5107.	125000.	2530.	7507.	979.2
#3	126000.	5071.	125000.	2533.	7524.	983.2
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	**2481.**	**2562.**	**2521.**	**2576.**	**993.2**	**2506.**
Stddev	4.	10.	6.	2.	.6	3.
%RSD	.1688	.3880	.2208	.0962	.0569	.1194
#1	2484.	2555.	2524.	2575.	993.5	2507.
#2	2477.	2558.	2524.	2575.	992.6	2502.
#3	2484.	2573.	2514.	2579.	993.5	2508.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 13:50:59 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1010.**	**4989.**	**10310.**	**9592.**
Stddev	3.	9.	15.	53.
%RSD	.2609	.1790	.1434	.5576
#1	1007.	4980.	10300.	9603.
#2	1012.	4998.	10330.	9639.
#3	1011.	4991.	10300.	9534.
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	**2706.7**	**28820.**	**7570.8**
Stddev	1.4	52.	27.3
%RSD	.05236	.17880	.36032
#1	2707.6	28841.	7578.6
#2	2707.4	28761.	7593.3
#3	2705.0	28857.	7540.5

Sample Name: CCVL Acquired: 4/21/2017 13:58:34 Type: QC
Method: xin_sw030317(v53) 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	**217.7**	**14.98**	**9.795**	**214.3**	**2.229**	**5241.**
Stddev	11.8	.39	.116	.3	.024	33.
%RSD	5.415	2.571	1.182	.1530	1.085	.6250
#1	216.8	14.79	9.745	214.0	2.255	5215.
#2	229.9	15.42	9.713	214.3	2.207	5230.
#3	206.4	14.73	9.928	214.7	2.224	5278.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.294**	**54.50**	**10.59**	**25.35**	**165.9**	**5008.**
Stddev	.005	.18	.60	.32	13.8	31.
%RSD	.1196	.3214	5.631	1.263	8.343	.6151
#1	4.289	54.30	9.944	25.01	160.0	5044.
#2	4.294	54.60	10.72	25.65	156.0	4987.
#3	4.299	54.60	11.12	25.39	181.8	4995.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 13:58:34 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5103.**	**16.36**	**4968.**	**43.53**	**12.23**	**23.20**
Stddev	45.	.13	23.	.59	.78	1.03
%RSD	.8854	.7653	.4697	1.360	6.361	4.458
#1	5061.	16.45	4987.	42.85	11.34	22.02
#2	5097.	16.22	4974.	43.83	12.57	23.98
#3	5151.	16.41	4942.	43.91	12.79	23.59
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	**20.14**	**23.21**	**53.14**	**33.46**	**49.79**	**20.92**
Stddev	.58	1.64	.28	.22	.34	.07
%RSD	2.902	7.059	.5227	.6601	.6807	.3485
#1	19.63	21.34	52.90	33.20	49.95	20.91
#2	20.00	24.36	53.07	33.59	50.03	21.00
#3	20.78	23.95	53.45	33.58	49.41	20.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 13:58:34 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**63.48**	**21.03**	**22.59**	F **22.24**
Stddev	1.80	.05	.30	11.15
%RSD	2.835	.2585	1.345	50.14
#1	61.42	21.05	22.33	12.45
#2	64.75	20.97	22.51	34.37
#3	64.26	21.07	22.92	19.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2887.8**	**30526.**	**7669.7**
Stddev	5.5	155.	10.3
%RSD	.18892	.50838	.13424
#1	2886.1	30688.	7657.8
#2	2893.9	30511.	7675.4
#3	2883.5	30378.	7675.8

Sample Name: 460-131798-E-2-D@4 Acquired: 4/21/2017 14:10:12 Type: Unk
Method: xin_sw030317(v53) 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	**21680.**	**16.00**	**-.7552**	**53.53**	**2.392**	**27520.**
Stddev	142.	.27	.5792	.19	.009	192.
%RSD	.6556	1.688	76.69	.3472	.3935	.6989
#1	21510.	16.31	-1.219	53.32	2.398	27300.
#2	21750.	15.84	-.9405	53.64	2.396	27560.
#3	21760.	15.85	-.1060	53.64	2.381	27680.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7733**	**2.863**	**300.6**	**12.57**	**59580.**	**8365.**
Stddev	.1026	.106	2.1	.09	494.	66.
%RSD	13.27	3.699	.7018	.7096	.8284	.7899
#1	-.7255	2.982	298.8	12.62	59050.	8289.
#2	-.7033	2.780	300.1	12.46	59660.	8395.
#3	-.8911	2.827	302.9	12.62	60030.	8411.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131798-E-2-D@4 Acquired: 4/21/2017 14:10:12 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5016.**	**100.8**	**550.3**	**17.58**	**76.55**	**3.078**
Stddev	58.	.7	3.7	.33	2.04	.429
%RSD	1.158	.6669	.6805	1.902	2.670	13.94
#1	4956.	100.0	554.5	17.31	74.46	2.604
#2	5020.	101.0	549.0	17.47	78.54	3.439
#3	5072.	101.3	547.4	17.95	76.64	3.190
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	**1.390**	**-2.317**	**184.9**	**105.5**	**70.72**	**1.116**
Stddev	1.465	2.036	1.2	.9	.17	.207
%RSD	105.4	87.84	.6451	.8805	.2382	18.59
#1	2.204	-.9605	183.8	104.4	70.54	1.192
#2	2.267	-1.334	184.9	105.9	70.73	1.275
#3	-.3010	-4.658	186.1	106.2	70.88	.8811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131798-E-2-D@4 Acquired: 4/21/2017 14:10:12 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**17.15**	**155.4**	**465.9**	**1346.**
Stddev	1.31	1.0	2.7	8.
%RSD	7.653	.6581	.5698	.6189
#1	15.69	154.3	462.9	1354.
#2	17.52	155.8	466.9	1338.
#3	18.23	156.2	467.9	1345.
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	**2864.9**	**30363.**	**7674.0**
Stddev	3.9	122.	52.6
%RSD	.13664	.40268	.68487
#1	2863.8	30309.	7668.9
#2	2861.6	30276.	7624.2
#3	2869.3	30503.	7728.9

Sample Name: 460-131798-D-4-A@4 Acquired: 4/21/2017 14:17:55 Type: Unk
Method: xin_sw030317(v53) 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	**25180.**	**13.81**	**-.1980**	**62.33**	**1.956**	**36300.**
Stddev	53.	1.83	.4279	.25	.062	169.
%RSD	.2087	13.25	216.1	.3999	3.158	.4643
#1	25120.	15.48	-.6047	62.32	2.026	36180.
#2	25230.	11.85	.2484	62.58	1.932	36220.
#3	25190.	14.09	-.2376	62.08	1.910	36490.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9966**	**15.92**	**254.3**	**118.6**	**68950.**	**8114.**
Stddev	.1342	.34	.8	.6	377.	18.
%RSD	13.47	2.142	.2966	.5068	.5460	.2204
#1	-.9126	15.59	253.5	118.0	68600.	8109.
#2	-.9258	16.27	254.3	118.7	68910.	8099.
#3	-1.151	15.90	255.1	119.2	69350.	8134.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131798-D-4-A@4 Acquired: 4/21/2017 14:17:55 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**14370.**	**348.3**	**1037.**	**35.69**	**49.58**	**5.295**
Stddev	71.	1.2	4.	.38	.71	1.580
%RSD	.4952	.3580	.4135	1.070	1.429	29.84
#1	14300.	348.1	1032.	35.75	49.18	3.762
#2	14380.	347.1	1038.	35.28	49.17	6.918
#3	14440.	349.6	1041.	36.03	50.40	5.204
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	**3.631**	**-3.078**	**240.2**	**126.1**	**89.03**	**1.577**
Stddev	1.483	1.561	1.4	.9	.56	.281
%RSD	40.85	50.72	.5706	.7268	.6293	17.80
#1	4.214	-3.711	238.7	125.4	88.56	1.477
#2	4.735	-1.300	240.7	125.9	88.88	1.894
#3	1.945	-4.223	241.3	127.2	89.65	1.360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131798-D-4-A@4 Acquired: 4/21/2017 14:17:55 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**15.04**	**134.5**	**871.6**	**916.2**
Stddev	1.87	.6	2.6	6.8
%RSD	12.41	.4272	.3023	.7475
#1	13.85	133.8	870.5	912.1
#2	14.08	134.8	869.6	924.1
#3	17.19	134.7	874.5	912.4
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	**2849.2**	**30089.**	**7671.5**
Stddev	3.6	4.	14.6
%RSD	.12518	.01294	.18971
#1	2845.3	30090.	7687.6
#2	2852.3	30085.	7667.4
#3	2850.1	30092.	7659.3

Sample Name: 460-131787-B-5-H MS Acquired: 4/21/2017 12:42:42 Type: Unk
Method: xin_sw030317(v53) 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	**60250.**	**928.8**	**22.39**	**1264.**	**28.16**	**11820.**
Stddev	319.	2.7	.65	6.	.21	96.
%RSD	.5286	.2941	2.899	.5137	.7290	.8162
#1	59970.	927.1	22.93	1257.	27.95	11720.
#2	60170.	927.3	21.67	1265.	28.17	11820.
#3	60590.	931.9	22.58	1270.	28.36	11910.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**22.95**	**293.0**	**155.5**	**178.7**	**99040.**	**14880.**
Stddev	.22	2.3	2.5	2.1	545.	112.
%RSD	.9401	.7886	1.615	1.185	.5507	.7519
#1	22.70	290.5	152.6	176.4	98490.	14770.
#2	23.06	293.4	156.3	180.4	99050.	14870.
#3	23.09	295.1	157.4	179.5	99580.	15000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131787-B-5-H MS Acquired: 4/21/2017 12:42:42 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**25330.**	**2313.**	**9502.**	**336.8**	**274.6**	**111.4**
Stddev	135.	13.	60.	2.6	3.8	2.8
%RSD	.5340	.5465	.6351	.7586	1.368	2.526
#1	25190.	2301.	9467.	333.9	270.6	108.4
#2	25340.	2312.	9468.	337.6	275.3	112.0
#3	25460.	2326.	9572.	338.8	278.0	113.9
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	**898.3**	**979.4**	**307.6**	**548.6**	**206.9**	**234.7**
Stddev	10.5	15.4	4.4	8.1	3.3	2.4
%RSD	1.165	1.568	1.419	1.486	1.580	1.029
#1	888.2	966.2	302.6	541.2	205.1	232.6
#2	897.7	975.8	310.5	547.3	204.9	234.1
#3	909.1	996.2	309.8	557.3	210.6	237.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131787-B-5-H MS Acquired: 4/21/2017 12:42:42 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**227.6**	**261.4**	**679.3**	**1486.**
Stddev	3.3	1.5	2.7	39.
%RSD	1.438	.5656	.3921	2.612
#1	224.4	260.6	679.6	1515.
#2	227.4	260.6	676.5	1502.
#3	230.9	263.2	681.8	1442.
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	**2986.1**	**31564.**	**8189.2**
Stddev	6.9	8.	20.5
%RSD	.22958	.02687	.25079
#1	2982.2	31562.	8186.2
#2	2982.1	31557.	8211.1
#3	2994.0	31573.	8170.3

Sample Name: pds 460-131787-B-5-F Acquired: 4/21/2017 12:46:26 Type: Unk
Method: xin_sw030317(v53) 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	**55110.**	**1879.**	**45.35**	**2252.**	**52.86**	**22110.**
Stddev	68.	2.	.04	4.	.12	77.
%RSD	.1232	.1060	.0907	.1991	.2232	.3463
#1	55050.	1877.	45.37	2248.	52.87	22030.
#2	55180.	1880.	45.38	2252.	52.73	22180.
#3	55090.	1881.	45.30	2257.	52.97	22120.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**46.67**	**539.4**	**254.3**	**297.0**	**121000.**	**24080.**
Stddev	.18	.2	2.6	2.8	388.	37.
%RSD	.3954	.0291	1.020	.9577	.3203	.1542
#1	46.48	539.5	251.4	293.8	120600.	24100.
#2	46.85	539.2	255.1	297.8	121300.	24110.
#3	46.69	539.4	256.4	299.4	121000.	24040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-131787-B-5-F Acquired: 4/21/2017 12:46:26 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**34880.**	**2828.**	**18990.**	**584.2**	**509.7**	**445.7**
Stddev	128.	10.	19.	1.0	.9	2.8
%RSD	.3659	.3563	.0990	.1785	.1838	.6198
#1	34760.	2817.	18970.	583.4	510.8	442.5
#2	35010.	2838.	19000.	583.7	509.3	447.3
#3	34860.	2828.	19010.	585.3	509.0	447.2
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	**1850.**	**1961.**	**550.0**	**793.2**	**462.0**	**487.8**
Stddev	9.	2.	6.0	.9	1.8	1.1
%RSD	.4968	.0978	1.095	.1184	.3825	.2189
#1	1840.	1959.	543.6	794.2	460.2	487.5
#2	1858.	1960.	550.8	793.0	462.0	486.9
#3	1852.	1963.	555.5	792.4	463.7	489.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-131787-B-5-F Acquired: 4/21/2017 12:46:26 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**495.8**	**504.9**	**1000.**	**1090.**
Stddev	3.1	.5	1.	21.
%RSD	.6353	.0946	.0867	1.949
#1	493.9	505.3	999.7	1089.
#2	494.1	504.4	1000.	1069.
#3	499.4	505.0	1001.	1112.
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	**2967.1**	**31433.**	**8150.8**
Stddev	5.0	86.	5.5
%RSD	.16946	.27328	.06789
#1	2963.4	31501.	8156.4
#2	2972.8	31337.	8150.4
#3	2965.0	31462.	8145.4

Sample Name: 460-131784-B-4-A@4 Acquired: 4/21/2017 12:53:51 Type: Unk
Method: xin_sw030317(v53) 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	**48390.**	**92.46**	**6.714**	**910.2**	**4.519**	**138400.**
Stddev	337.	2.12	.309	3.1	.029	995.
%RSD	.6954	2.295	4.606	.3374	.6354	.7190
#1	48060.	90.61	7.071	906.8	4.502	137300.
#2	48370.	92.00	6.546	912.8	4.552	138600.
#3	48730.	94.77	6.526	911.0	4.503	139300.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37.69**	**38.42**	**1721.**	**1403.**	**195100.**	**5562.**
Stddev	.30	.51	12.	1.	1065.	41.
%RSD	.8023	1.337	.6933	.0497	.5459	.7460
#1	37.35	37.86	1708.	1402.	193900.	5524.
#2	37.92	38.86	1725.	1403.	195400.	5555.
#3	37.81	38.55	1731.	1403.	196000.	5607.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-B-4-A@4 Acquired: 4/21/2017 12:53:51 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**51940.**	F **20440.**	**865.8**	**146.1**	F **31130.**	**93.90**
Stddev	356.	276.	10.7	2.0	91.	.94
%RSD	.6857	1.348	1.237	1.359	.2939	1.001
#1	51560.	20190.	861.0	144.2	31030.	93.40
#2	52010.	20740.	858.4	148.1	31210.	94.98
#3	52270.	20410.	878.1	146.0	31150.	93.30
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		10000.			15000.	
Low Limit		-15.00			-10.00	

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	**10.40**	**-14.31**	**391.4**	F **20520.**	**36.16**	**16.12**
Stddev	.87	.20	2.6	97.	.35	.29
%RSD	8.372	1.405	.6520	.4713	.9808	1.811
#1	11.07	-14.40	389.0	20430.	35.91	15.88
#2	9.416	-14.08	391.2	20620.	36.57	16.45
#3	10.72	-14.45	394.1	20510.	36.01	16.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-B-4-A@4 Acquired: 4/21/2017 12:53:51 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**763.6**	**381.0**	**3195.**	**1025.**
Stddev	7.4	1.2	17.	12.
%RSD	.9705	.3171	.5432	1.124
#1	755.4	380.6	3175.	1012.
#2	769.7	380.2	3202.	1031.
#3	765.9	382.4	3208.	1032.
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	**2876.2**	**30818.**	**7994.4**
Stddev	6.2	148.	52.6
%RSD	.21481	.48081	.65751
#1	2879.6	30983.	8048.3
#2	2869.1	30696.	7991.4
#3	2879.9	30776.	7943.3

Sample Name: CCV Acquired: 4/21/2017 13:01:32 Type: QC
Method: xin_sw030317(v53) 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	**124900.**	**2454.**	**1239.**	**10080.**	**1004.**	**126200.**
Stddev	313.	10.	2.	10.	1.	535.
%RSD	.2506	.4237	.1445	.0981	.0890	.4235
#1	125000.	2442.	1241.	10070.	1004.	126700.
#2	125200.	2462.	1237.	10090.	1003.	126400.
#3	124600.	2459.	1239.	10080.	1005.	125600.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1256.**	**2501.**	**5096.**	**12450.**	**102300.**	**49260.**
Stddev	1.	3.	17.	32.	376.	19.
%RSD	.0640	.1203	.3331	.2580	.3680	.0391
#1	1255.	2497.	5115.	12430.	102600.	49280.
#2	1257.	2502.	5091.	12440.	102300.	49260.
#3	1257.	2502.	5082.	12490.	101900.	49250.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 13:01:32 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**125800.**	**5081.**	**124500.**	**2521.**	**7482.**	**977.2**
Stddev	399.	13.	81.	3.	15.	3.9
%RSD	.3173	.2569	.0648	.1104	.2069	.3997
#1	126300.	5093.	124400.	2518.	7473.	972.9
#2	125800.	5082.	124500.	2523.	7500.	980.5
#3	125500.	5067.	124500.	2522.	7473.	978.3
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	**2463.**	**2540.**	**2524.**	**2553.**	**991.2**	**2494.**
Stddev	15.	16.	4.	2.	5.6	6.
%RSD	.5918	.6320	.1501	.0707	.5695	.2307
#1	2448.	2528.	2528.	2553.	984.8	2487.
#2	2476.	2558.	2521.	2555.	995.5	2497.
#3	2466.	2532.	2523.	2551.	993.2	2497.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 13:01:32 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1003.**	**4978.**	**10260.**	**9520.**
Stddev	2.	8.	9.	87.
%RSD	.2340	.1663	.0879	.9172
#1	1001.	4976.	10270.	9468.
#2	1006.	4970.	10250.	9472.
#3	1003.	4987.	10250.	9621.
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	**2710.1**	**28669.**	**7496.1**
Stddev	1.0	140.	74.5
%RSD	.03855	.48826	.99346
#1	2711.3	28516.	7449.4
#2	2709.8	28700.	7456.8
#3	2709.3	28790.	7581.9

Sample Name: CCB Acquired: 4/21/2017 13:05:08 Type: QC
Method: xin_sw030317(v53) 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	**-2.548**	**.6756**	**-.3994**	**.0228**	**.0982**	**-2.373**
Stddev	10.37	1.941	.0626	.1034	.0775	5.206
%RSD	407.0	287.3	15.67	452.4	78.97	219.4
#1	5.553	2.086	-.4715	.1128	.0627	3.261
#2	1.040	1.479	-.3599	.0458	.1871	-3.375
#3	-14.24	-1.538	-.3667	-.0901	.0448	-7.005
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0025**	**.0894**	**.5689**	**.0000**	**4.912**	**-29.56**
Stddev	.0207	.2009	.3281	.4604	2.585	26.96
%RSD	829.3	224.6	57.68	1591000.	52.63	91.21
#1	-.0127	.1944	.6975	.4307	4.033	-24.06
#2	.0260	.2161	.8132	.0546	2.881	-58.85
#3	-.0059	-.1422	.1959	-.4852	7.822	-5.772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 13:05:08 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-.9426**	**-.0008**	**-33.36**	**-.1602**	**-2.588**	**-.6373**
Stddev	4.017	.0973	3.93	.2852	.588	2.213
%RSD	426.2	12100.	11.77	178.1	22.72	347.2
#1	2.886	.1107	-31.65	.1691	-1.979	1.898
#2	-5.125	-.0447	-37.85	-.3315	-3.152	-1.632
#3	-.5889	-.0684	-30.58	-.3181	-2.632	-2.178
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	**-2.422**	**-.3784**	**-.0980**	**-.1672**	**1.370**	**.6529**
Stddev	.215	1.346	.0341	.0623	.782	.3881
%RSD	8.862	355.8	34.80	37.27	57.09	59.45
#1	-2.177	-.5137	-.1181	-.1454	2.272	1.015
#2	-2.515	-1.652	-.0586	-.1187	.8776	.7005
#3	-2.575	1.030	-.1172	-.2374	.9604	.2431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 13:05:08 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4316**	**.1502**	**.4199**	**16.51**
Stddev	.1110	.0989	.2136	4.02
%RSD	25.73	65.88	50.88	24.33
#1	.5564	.2064	.5574	12.99
#2	.3438	.2082	.1738	20.89
#3	.3945	.0359	.5286	15.66
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	**2875.9**	**30429.**	**7516.0**
Stddev	5.3	49.	44.5
%RSD	.18395	.15966	.59268
#1	2871.0	30380.	7473.2
#2	2875.1	30477.	7562.1
#3	2881.5	30430.	7512.6

Sample Name: 460-131784-A-6-B@4 Acquired: 4/21/2017 13:13:07 Type: Unk
Method: xin_sw030317(v53) 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	**30440.**	**65.25**	**2.676**	**775.3**	**3.477**	**94590.**
Stddev	417.	.66	.662	7.4	.129	1248.
%RSD	1.370	1.015	24.74	.9503	3.709	1.319
#1	30020.	64.56	3.275	767.3	3.365	93400.
#2	30450.	65.30	2.788	776.6	3.447	94500.
#3	30850.	65.89	1.965	781.9	3.618	95890.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21.03**	**37.48**	**231.1**	**1940.**	**153100.**	**3755.**
Stddev	.42	.72	2.8	17.	1726.	37.
%RSD	1.981	1.921	1.227	.8612	1.127	.9863
#1	20.58	36.71	228.8	1922.	151400.	3721.
#2	21.11	37.60	230.3	1942.	152800.	3750.
#3	21.40	38.13	234.3	1956.	154900.	3794.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-A-6-B@4 Acquired: 4/21/2017 13:13:07 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**47960.**	**1866.**	**680.2**	**160.3**	**5997.**	**46.67**
Stddev	591.	24.	4.5	2.5	55.	.33
%RSD	1.233	1.298	.6606	1.529	.9160	.6974
#1	47390.	1842.	675.2	157.6	5937.	46.36
#2	47910.	1866.	681.5	160.7	6009.	47.00
#3	48570.	1891.	683.9	162.4	6045.	46.64
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	**5.389**	**-8.115**	**157.9**	F **8958.**	**17.26**	**7.562**
Stddev	1.104	.423	2.6	75.	.83	.200
%RSD	20.49	5.219	1.643	.8401	4.819	2.640
#1	5.211	-8.066	155.0	8874.	18.18	7.346
#2	6.571	-7.719	158.8	8982.	16.58	7.601
#3	4.385	-8.561	160.0	9018.	17.00	7.739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-A-6-B@4 Acquired: 4/21/2017 13:13:07 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**386.9**	**239.4**	**1437.**	**1016.**
Stddev	8.5	2.7	15.	7.
%RSD	2.198	1.120	1.028	.7298
#1	378.5	236.4	1424.	1025.
#2	386.8	240.1	1435.	1012.
#3	395.5	241.6	1453.	1012.
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	**2886.8**	**30579.**	**7855.5**
Stddev	9.5	42.	59.3
%RSD	.32746	.13805	.75434
#1	2878.1	30537.	7920.2
#2	2885.5	30579.	7842.3
#3	2896.9	30621.	7804.0

Sample Name: 460-131784-A-7-A@4 Acquired: 4/21/2017 13:16:54 Type: Unk
Method: xin_sw030317(v53) 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	**33040.**	**90.40**	**1.466**	**793.1**	**4.442**	**31840.**
Stddev	399.	2.08	.406	8.9	.119	343.
%RSD	1.209	2.305	27.67	1.124	2.682	1.077
#1	32630.	90.56	1.104	784.0	4.432	31530.
#2	33070.	88.24	1.391	793.5	4.329	31780.
#3	33420.	92.39	1.905	801.8	4.566	32210.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.76**	**40.30**	**151.4**	**958.9**	**115600.**	**4264.**
Stddev	.17	.60	2.5	7.9	1135.	43.
%RSD	1.470	1.483	1.620	.8210	.9822	1.018
#1	11.56	39.63	149.4	952.7	114500.	4221.
#2	11.87	40.50	150.6	956.2	115400.	4264.
#3	11.84	40.78	154.1	967.7	116800.	4308.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-A-7-A@4 Acquired: 4/21/2017 13:16:54 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**14960.**	**1699.**	**1303.**	**120.7**	**4300.**	**20.62**
Stddev	143.	16.	7.	1.9	42.	3.75
%RSD	.9545	.9183	.5597	1.610	.9860	18.21
#1	14830.	1685.	1303.	118.8	4261.	16.58
#2	14940.	1697.	1296.	120.6	4294.	21.27
#3	15120.	1716.	1311.	122.7	4345.	24.01
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	**6.466**	**-3.459**	**140.3**	F **6117.**	**16.72**	**8.747**
Stddev	1.759	1.410	2.4	69.	.86	.283
%RSD	27.20	40.77	1.731	1.130	5.165	3.235
#1	5.053	-3.532	138.1	6049.	15.72	8.575
#2	8.435	-4.832	139.9	6114.	17.24	8.591
#3	5.909	-2.014	142.9	6188.	17.18	9.073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-A-7-A@4 Acquired: 4/21/2017 13:16:54 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**184.0**	**279.6**	**1715.**	**972.6**
Stddev	3.8	3.3	12.	16.0
%RSD	2.083	1.169	.7142	1.646
#1	180.1	276.6	1704.	967.2
#2	184.2	279.1	1714.	960.0
#3	187.8	283.1	1728.	990.7
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	**2981.0**	**31532.**	**8065.9**
Stddev	4.1	79.	54.6
%RSD	.13719	.25152	.67737
#1	2977.3	31608.	8128.3
#2	2980.4	31539.	8042.4
#3	2985.4	31450.	8026.9

Sample Name: 460-131784-B-9-B@4 Acquired: 4/21/2017 13:24:26 Type: Unk
Method: xin_sw030317(v53) 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	**40440.**	**90.35**	**19.14**	**975.7**	**5.047**	**58500.**
Stddev	75.	.80	.39	.6	.066	197.
%RSD	.1859	.8904	2.037	.0598	1.297	.3364
#1	40400.	91.22	19.56	976.1	4.974	58370.
#2	40390.	90.18	19.06	976.0	5.101	58410.
#3	40530.	89.64	18.79	975.0	5.066	58730.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23.82**	**45.20**	**348.1**	**1860.**	**180200.**	**5185.**
Stddev	.12	.08	.4	2.	387.	7.
%RSD	.5140	.1776	.1069	.1077	.2144	.1306
#1	23.68	45.11	347.7	1858.	180100.	5185.
#2	23.91	45.22	348.4	1862.	179900.	5179.
#3	23.88	45.26	348.2	1861.	180700.	5192.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-B-9-B@4 Acquired: 4/21/2017 13:24:26 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**20770.**	**2385.**	**1322.**	**200.8**	**10500.**	**856.8**
Stddev	36.	3.	9.	.6	15.	20.6
%RSD	.1727	.1096	.7090	.2788	.1406	2.400
#1	20760.	2383.	1332.	200.2	10490.	835.6
#2	20750.	2385.	1314.	201.3	10520.	858.2
#3	20820.	2388.	1319.	200.9	10500.	876.6
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	**7.480**	**-9.218**	**204.3**	F **13040.**	**30.98**	**8.870**
Stddev	2.147	1.518	.7	49.	.84	.451
%RSD	28.71	16.46	.3485	.3722	2.722	5.084
#1	9.554	-9.318	204.4	12980.	30.01	8.351
#2	7.619	-10.68	203.5	13080.	31.51	9.094
#3	5.266	-7.654	204.9	13050.	31.42	9.166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-B-9-B@4 Acquired: 4/21/2017 13:24:26 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F **3832.**	**368.9**	**1982.**	**2155.**
Stddev	79.	1.2	3.	15.
%RSD	2.071	.3340	.1563	.6939
#1	3745.	370.0	1978.	2153.
#2	3851.	369.2	1983.	2172.
#3	3900.	367.6	1984.	2142.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2000.			
Low Limit	-50.00			

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	**2934.1**	**31188.**	**7980.4**
Stddev	2.2	85.	71.9
%RSD	.07661	.27144	.90080
#1	2935.9	31159.	7941.5
#2	2935.0	31283.	8063.4
#3	2931.6	31121.	7936.4

Sample Name: 460-131784-B-10-A@4 Acquired: 4/21/2017 13:28:09 Type: Unk
Method: xin_sw030317(v53) 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	**32730.**	**68.09**	**2.134**	**651.4**	**3.943**	**74570.**
Stddev	187.	2.23	.210	2.0	.035	599.
%RSD	.5706	3.280	9.855	.3050	.8807	.8027
#1	32600.	67.24	2.129	650.2	3.905	74140.
#2	32650.	66.41	1.925	650.3	3.953	74330.
#3	32950.	70.63	2.346	653.7	3.972	75260.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**24.75**	**33.06**	**204.1**	**1112.**	**110400.**	**6529.**
Stddev	.21	.25	2.0	3.	760.	63.
%RSD	.8472	.7453	.9696	.2654	.6884	.9694
#1	24.53	32.78	202.5	1108.	109700.	6534.
#2	24.76	33.26	203.5	1112.	110200.	6464.
#3	24.95	33.14	206.3	1114.	111200.	6590.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-B-10-A@4 Acquired: 4/21/2017 13:28:09 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**24770.**	**1557.**	**1400.**	**122.0**	**5569.**	**108.1**
Stddev	158.	10.	9.	1.1	19.	6.9
%RSD	.6381	.6517	.6183	.8875	.3390	6.416
#1	24670.	1553.	1401.	121.1	5555.	100.6
#2	24690.	1549.	1391.	121.7	5562.	109.6
#3	24950.	1568.	1408.	123.2	5590.	114.2
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	**2.430**	**-4.724**	**185.5**	F **10640.**	**30.94**	**6.620**
Stddev	.757	1.517	1.9	58.	.15	.318
%RSD	31.17	32.12	1.028	.5477	.4991	4.798
#1	3.234	-4.402	183.6	10600.	30.76	6.313
#2	2.326	-3.393	185.5	10620.	31.02	6.947
#3	1.730	-6.376	187.4	10710.	31.04	6.600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-B-10-A@4 Acquired: 4/21/2017 13:28:09 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**360.8**	**551.2**	**1526.**	**907.7**
Stddev	21.5	1.8	7.	13.1
%RSD	5.963	.3327	.4657	1.447
#1	338.8	550.4	1521.	915.8
#2	361.7	549.9	1523.	892.6
#3	381.8	553.3	1534.	914.7
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	**3165.8**	**33447.**	**8638.9**
Stddev	3.5	132.	38.0
%RSD	.11137	.39417	.44030
#1	3161.8	33536.	8617.6
#2	3168.3	33508.	8682.8
#3	3167.3	33295.	8616.2

Sample Name: 460-131784-B-11-B@4 Acquired: 4/21/2017 13:31:56 Type: Unk
Method: xin_sw030317(v53) 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	**43170.**	**105.2**	**2.308**	**1391.**	**6.084**	**98340.**
Stddev	202.	1.7	.414	11.	.043	577.
%RSD	.4668	1.662	17.94	.7994	.7063	.5868
#1	42980.	104.5	2.670	1380.	6.050	97760.
#2	43160.	103.8	2.398	1390.	6.132	98350.
#3	43380.	107.1	1.857	1402.	6.069	98910.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21.18**	**43.67**	**280.9**	**1522.**	**164000.**	**5214.**
Stddev	.41	.43	2.4	8.	1302.	19.
%RSD	1.930	.9931	.8671	.5043	.7937	.3651
#1	20.74	43.35	278.3	1515.	162800.	5204.
#2	21.24	43.49	281.5	1520.	163900.	5236.
#3	21.55	44.16	283.0	1530.	165400.	5201.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-B-11-B@4 Acquired: 4/21/2017 13:31:56 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**20630.**	**2247.**	**842.3**	**153.5**	**9901.**	**46.63**
Stddev	127.	10.	12.6	1.2	60.	1.71
%RSD	.6168	.4263	1.490	.8086	.6109	3.662
#1	20490.	2239.	829.9	152.2	9845.	44.77
#2	20640.	2246.	841.9	153.9	9894.	48.13
#3	20740.	2258.	855.0	154.6	9965.	47.00
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	**8.572**	**-7.118**	**188.8**	F **9392.**	**40.30**	**10.99**
Stddev	1.575	1.583	1.4	68.	1.15	.15
%RSD	18.37	22.24	.7323	.7194	2.860	1.369
#1	10.19	-8.857	187.6	9323.	39.03	10.82
#2	8.485	-5.760	188.5	9393.	40.62	11.04
#3	7.042	-6.736	190.3	9459.	41.27	11.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-B-11-B@4 Acquired: 4/21/2017 13:31:56 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**468.6**	**560.7**	**1817.**	**1131.**
Stddev	14.6	2.2	13.	7.
%RSD	3.115	.3871	.6921	.5780
#1	453.9	558.6	1804.	1137.
#2	468.6	560.5	1818.	1131.
#3	483.1	563.0	1829.	1124.
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	**2935.7**	**31282.**	**8112.0**
Stddev	1.7	110.	30.2
%RSD	.05804	.35282	.37179
#1	2934.4	31173.	8088.8
#2	2937.6	31279.	8146.1
#3	2935.0	31394.	8101.1

Sample Name: 460-131784-B-12-B@4 Acquired: 4/21/2017 13:35:43 Type: Unk
Method: xin_sw030317(v53) 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	**39210.**	**106.2**	**3.126**	**791.8**	**4.967**	**69830.**
Stddev	383.	2.2	.083	5.0	.037	523.
%RSD	.9778	2.033	2.658	.6350	.7466	.7482
#1	38860.	103.9	3.202	788.6	4.960	69730.
#2	39160.	106.4	3.139	789.2	5.007	69360.
#3	39620.	108.2	3.037	797.6	4.934	70390.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**29.49**	**43.77**	**881.6**	**1322.**	F **220700.**	**4839.**
Stddev	.60	.70	7.4	12.	1513.	25.
%RSD	2.041	1.600	.8374	.9452	.6856	.5218
#1	28.88	43.48	878.1	1309.	220300.	4810.
#2	29.50	43.26	876.6	1321.	219400.	4851.
#3	30.08	44.57	890.1	1334.	222400.	4856.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-131784-B-12-B@4 Acquired: 4/21/2017 13:35:43 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**20330.**	**8985.**	**814.7**	**169.9**	**11050.**	**105.5**
Stddev	143.	39.	14.2	2.9	80.	4.7
%RSD	.7020	.4376	1.744	1.713	.7276	4.415
#1	20300.	8957.	799.1	167.1	10990.	100.8
#2	20200.	8969.	818.0	169.6	11030.	105.5
#3	20480.	9030.	827.0	172.9	11140.	110.1
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	**10.54**	**-11.16**	**317.5**	F **13970.**	**24.52**	**14.49**
Stddev	4.69	.37	3.3	101.	.59	.37
%RSD	44.45	3.337	1.051	.7250	2.415	2.542
#1	7.810	-11.56	314.4	13910.	23.84	14.13
#2	7.868	-10.83	317.0	13900.	24.95	14.86
#3	15.96	-11.10	321.0	14080.	24.76	14.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-B-12-B@4 Acquired: 4/21/2017 13:35:43 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**418.8**	**305.7**	**2160.**	**1219.**
Stddev	9.6	3.0	13.	14.
%RSD	2.300	.9788	.5984	1.180
#1	409.5	302.8	2150.	1204.
#2	418.3	305.5	2156.	1233.
#3	428.7	308.8	2174.	1219.
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	**2945.6**	**31566.**	**8070.6**
Stddev	11.6	300.	99.6
%RSD	.39422	.94970	1.2343
#1	2932.6	31245.	7995.2
#2	2955.0	31839.	8033.0
#3	2949.1	31615.	8183.5

Sample Name: 460-131784-A-13-B@4 Acquired: 4/21/2017 13:39:38 Type: Unk
Method: xin_sw030317(v53) 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	**40030.**	**107.7**	**2.889**	**1187.**	**4.269**	**139800.**
Stddev	119.	.3	.428	4.	.053	330.
%RSD	.2976	.2662	14.81	.3012	1.252	.2357
#1	39890.	107.5	2.751	1183.	4.248	139600.
#2	40090.	108.1	3.369	1188.	4.329	139600.
#3	40110.	107.6	2.547	1190.	4.228	140200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**44.58**	**43.50**	**455.7**	**1594.**	**132500.**	**5851.**
Stddev	.26	.36	1.1	11.	199.	38.
%RSD	.5897	.8192	.2364	.7053	.1500	.6478
#1	44.32	43.13	454.5	1582.	132200.	5808.
#2	44.57	43.84	456.7	1598.	132600.	5864.
#3	44.85	43.54	455.8	1603.	132600.	5881.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-A-13-B@4 Acquired: 4/21/2017 13:39:38 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**70850.**	**6013.**	**2031.**	**154.8**	**5213.**	**51.19**
Stddev	168.	22.	15.	.2	8.	1.83
%RSD	.2368	.3740	.7585	.1546	.1519	3.577
#1	70680.	5998.	2031.	154.6	5205.	51.19
#2	70860.	6002.	2015.	155.1	5214.	53.02
#3	71020.	6039.	2046.	154.8	5221.	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	**5.210**	**-6.871**	**215.9**	F **7485.**	**23.57**	**9.226**
Stddev	5.363	.980	1.4	13.	.41	.144
%RSD	102.9	14.26	.6709	.1718	1.741	1.563
#1	.7920	-6.250	214.3	7471.	23.13	9.272
#2	11.18	-6.362	217.2	7490.	23.61	9.342
#3	3.662	-8.001	216.1	7495.	23.95	9.065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-A-13-B@4 Acquired: 4/21/2017 13:39:38 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**351.6**	**339.1**	**1613.**	**1095.**
Stddev	7.8	1.7	7.	9.
%RSD	2.228	.4893	.4088	.8565
#1	345.2	337.9	1605.	1095.
#2	349.3	338.3	1616.	1104.
#3	360.4	341.0	1617.	1086.
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	**2934.1**	**31390.**	**8135.4**
Stddev	5.4	287.	44.5
%RSD	.18462	.91359	.54757
#1	2929.3	31082.	8097.8
#2	2933.1	31440.	8124.0
#3	2940.0	31649.	8184.6

Sample Name: 460-131784-B-14-A@4 Acquired: 4/21/2017 13:43:25 Type: Unk
Method: xin_sw030317(v53) 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	**80730.**	**48.85**	**.2313**	**803.6**	**5.581**	**23070.**
Stddev	468.	2.03	.7998	4.0	.030	99.
%RSD	.5793	4.158	345.8	.5008	.5427	.4288
#1	80190.	47.81	.9350	799.4	5.548	22960.
#2	80970.	51.19	.3974	804.1	5.591	23090.
#3	81030.	47.55	-.6385	807.4	5.606	23160.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.743**	**46.99**	**358.9**	**180.0**	**118400.**	**6742.**
Stddev	.074	.43	2.4	.7	469.	37.
%RSD	.9527	.9130	.6624	.3930	.3964	.5431
#1	7.723	46.53	357.1	179.2	118000.	6700.
#2	7.824	47.38	358.0	180.0	118300.	6758.
#3	7.681	47.06	361.6	180.6	118900.	6767.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-B-14-A@4 Acquired: 4/21/2017 13:43:25 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**21190.**	**2050.**	**636.6**	**117.4**	**1312.**	**3.210**
Stddev	54.	9.	7.7	.5	12.	1.555
%RSD	.2567	.4356	1.212	.4238	.9376	48.44
#1	21130.	2039.	633.7	116.9	1299.	2.830
#2	21220.	2053.	645.3	117.9	1323.	1.880
#3	21230.	2056.	630.7	117.3	1316.	4.919
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	**4.776**	**-6.661**	**193.4**	**2770.**	**20.44**	**4.755**
Stddev	1.464	.970	1.1	29.	.14	.116
%RSD	30.65	14.56	.5886	1.033	.7029	2.443
#1	3.977	-6.225	192.2	2740.	20.47	4.733
#2	3.886	-5.987	193.8	2772.	20.28	4.880
#3	6.466	-7.773	194.4	2797.	20.56	4.651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-B-14-A@4 Acquired: 4/21/2017 13:43:25 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**138.5**	**187.1**	**2123.**	**1078.**
Stddev	3.6	.7	10.	28.
%RSD	2.612	.3922	.4499	2.610
#1	135.0	186.3	2117.	1051.
#2	138.2	187.4	2117.	1076.
#3	142.2	187.7	2134.	1107.
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	**3133.3**	**32993.**	**8478.1**
Stddev	7.0	52.	30.9
%RSD	.22434	.15820	.36427
#1	3141.1	32941.	8509.2
#2	3131.4	33045.	8447.4
#3	3127.5	32992.	8477.7

Sample Name: 460-131784-B-15-B@4 Acquired: 4/21/2017 13:47:11 Type: Unk
Method: xin_sw030317(v53) 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	**41460.**	**58.12**	**1.138**	**1058.**	**4.952**	**174700.**
Stddev	81.	.53	.412	1.	.074	1078.
%RSD	.1952	.9039	36.24	.0910	1.486	.6170
#1	41470.	58.14	1.418	1059.	5.022	173700.
#2	41370.	58.64	.6644	1058.	4.875	174600.
#3	41530.	57.59	1.331	1057.	4.958	175800.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**11.19**	**47.11**	**274.5**	**1241.**	**157800.**	**10270.**
Stddev	.18	.26	1.0	1.	870.	12.
%RSD	1.594	.5502	.3579	.1018	.5514	.1162
#1	11.38	47.05	273.4	1242.	156900.	10260.
#2	11.18	46.89	274.8	1240.	157800.	10280.
#3	11.02	47.40	275.2	1239.	158600.	10270.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-B-15-B@4 Acquired: 4/21/2017 13:47:11 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**82310.**	**3520.**	**1454.**	**163.8**	**6699.**	**17.65**
Stddev	379.	14.	10.	.7	7.	1.50
%RSD	.4605	.3862	.7113	.4055	.0978	8.473
#1	81930.	3508.	1464.	163.9	6705.	16.60
#2	82310.	3517.	1456.	164.4	6692.	16.99
#3	82680.	3535.	1443.	163.1	6701.	19.36
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	**5.478**	**-8.097**	**310.0**	F **5065.**	**33.42**	**6.840**
Stddev	2.818	2.446	1.6	13.	.41	.262
%RSD	51.44	30.21	.5033	.2661	1.216	3.826
#1	8.307	-7.199	308.3	5059.	33.64	6.538
#2	5.454	-10.86	310.4	5055.	33.66	6.976
#3	2.672	-6.226	311.4	5080.	32.95	7.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Sample Name: 460-131784-B-15-B@4 Acquired: 4/21/2017 13:47:11 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**235.7**	**671.4**	**1496.**	**1083.**
Stddev	2.8	.7	4.	18.
%RSD	1.190	.1001	.2411	1.686
#1	233.9	672.1	1492.	1103.
#2	234.2	670.9	1498.	1076.
#3	238.9	671.1	1498.	1068.
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	**2917.0**	**31018.**	**8070.6**
Stddev	4.0	156.	17.6
%RSD	.13687	.50380	.21856
#1	2920.5	31143.	8068.2
#2	2917.7	31067.	8089.4
#3	2912.6	30843.	8054.3

Sample Name: CCB Acquired: 4/21/2017 13:54:33 Type: QC
Method: xin_sw030317(v53) 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	**.6130**	**-.8403**	**.0166**	**.0402**	**.0592**	**-4.446**
Stddev	4.787	1.680	.2664	.0288	.0733	3.197
%RSD	780.9	199.9	1607.	71.64	123.8	71.92
#1	5.895	-1.569	-.2903	.0143	.1402	-5.121
#2	-3.439	-2.032	.1525	.0713	-.0024	-.9644
#3	-.6166	1.081	.1875	.0352	.0397	-7.251
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0477**	**.2305**	**.5695**	**-.1116**	**4.932**	**-12.05**
Stddev	.0258	.1246	.2400	.3786	4.831	4.32
%RSD	54.07	54.08	42.15	339.2	97.96	35.86
#1	.0663	.2003	.6409	.2200	-.6458	-9.905
#2	.0183	.1237	.7658	-.5241	7.635	-17.02
#3	.0584	.3674	.3019	-.0308	7.807	-9.221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 13:54:33 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-.6569**	**.0560**	**-19.90**	**-.1451**	**-1.326**	**1.885**
Stddev	1.156	.0987	5.15	.1321	.289	1.838
%RSD	176.0	176.4	25.86	91.04	21.83	97.51
#1	-.3722	.1681	-14.00	.0053	-1.615	-.0609
#2	-1.929	-.0180	-23.47	-.1980	-1.327	2.125
#3	.3303	.0178	-22.23	-.2425	-1.036	3.593
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	**-1.204**	**1.258**	**-.0124**	**-.1408**	**.9333**	**.8990**
Stddev	.927	1.243	.0753	.1168	.7812	.5007
%RSD	77.01	98.79	607.5	82.92	83.70	55.69
#1	-2.215	.6146	-.0960	-.0579	1.680	1.474
#2	-.3918	2.691	.0499	-.0902	.9986	.6601
#3	-1.006	.4691	.0090	-.2744	.1216	.5625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 13:54:33 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.490**	**.1566**	**.6124**	**10.54**
Stddev	.866	.1003	.1407	17.66
%RSD	19.28	64.06	22.98	167.5
#1	3.685	.2708	.7725	2.094
#2	4.380	.1167	.5567	30.84
#3	5.405	.0824	.5080	-1.307
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	**2884.7**	**30509.**	**7642.1**
Stddev	6.9	58.	40.7
%RSD	.23751	.18849	.53252
#1	2887.1	30523.	7647.3
#2	2890.0	30445.	7680.0
#3	2877.0	30558.	7599.1

Sample Name: 460-131787-A-6-F@4 Acquired: 4/21/2017 14:02:33 Type: Unk
Method: xin_sw030317(v53) 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	**55060.**	**11.50**	**-.6038**	**248.4**	**4.622**	**5300.**
Stddev	362.	.76	.7176	.9	.063	32.
%RSD	.6574	6.625	118.8	.3612	1.352	.6112
#1	54640.	12.28	-1.430	248.1	4.553	5304.
#2	55220.	10.76	-.1400	247.8	4.674	5265.
#3	55310.	11.46	-.2410	249.4	4.638	5330.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.742**	**65.78**	**67.01**	**61.71**	**128600.**	**5325.**
Stddev	.036	.45	.63	.74	524.	63.
%RSD	2.073	.6890	.9362	1.199	.4073	1.183
#1	-1.704	65.40	67.30	61.06	129100.	5259.
#2	-1.746	65.65	66.29	61.54	128000.	5331.
#3	-1.776	66.28	67.44	62.52	128600.	5385.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131787-A-6-F@4 Acquired: 4/21/2017 14:02:33 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**22240.**	**2790.**	**159.0**	**131.4**	**77.20**	**.4677**
Stddev	103.	10.	7.4	.4	1.50	.6730
%RSD	.4614	.3686	4.638	.3176	1.939	143.9
#1	22290.	2788.	153.0	130.9	75.54	-.2340
#2	22120.	2780.	156.7	131.7	78.44	1.108
#3	22310.	2801.	167.2	131.5	77.61	.5292
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	**1.974**	**-9.471**	**61.30**	**412.7**	**.0045**	**1.656**
Stddev	2.289	2.333	.38	4.1	.3182	.253
%RSD	115.9	24.63	.6158	1.005	7038.	15.29
#1	-.5558	-7.164	60.86	410.3	.0589	1.848
#2	3.900	-11.83	61.53	410.4	.2921	1.750
#3	2.579	-9.421	61.50	417.5	-.3374	1.369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131787-A-6-F@4 Acquired: 4/21/2017 14:02:33 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**19.40**	**28.56**	**522.4**	**968.4**
Stddev	2.43	.26	1.4	28.7
%RSD	12.54	.9069	.2753	2.967
#1	16.67	28.35	523.2	935.8
#2	20.21	28.47	520.7	979.9
#3	21.33	28.85	523.2	989.7
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	**3017.2**	**31788.**	**8102.8**
Stddev	14.7	412.	68.8
%RSD	.48840	1.2945	.84971
#1	3001.2	31318.	8025.2
#2	3030.2	32087.	8156.7
#3	3020.0	31958.	8126.4

Sample Name: 460-131798-F-1-D@4 Acquired: 4/21/2017 14:06:21 Type: Unk
Method: xin_sw030317(v53) 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	**24980.**	**12.67**	**-.7718**	**61.78**	**2.121**	**5043.**
Stddev	174.	.90	.3142	.33	.033	23.
%RSD	.6959	7.114	40.71	.5383	1.554	.4590
#1	24830.	13.70	-.6544	61.50	2.123	5067.
#2	25170.	12.08	-1.128	62.14	2.152	5021.
#3	24930.	12.21	-.5333	61.69	2.086	5041.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9604**	**8.615**	**268.9**	**52.80**	**62720.**	**7516.**
Stddev	.0319	.223	.8	.07	89.	6.
%RSD	3.318	2.589	.2944	.1246	.1419	.0824
#1	-.9911	8.379	269.5	52.79	62730.	7518.
#2	-.9275	8.645	268.0	52.88	62630.	7521.
#3	-.9625	8.822	269.2	52.75	62810.	7509.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131798-F-1-D@4 Acquired: 4/21/2017 14:06:21 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**6731.**	**304.8**	**395.8**	**22.36**	**37.70**	**4.096**
Stddev	17.	.6	3.5	.27	1.44	1.011
%RSD	.2592	.2103	.8940	1.225	3.811	24.68
#1	6747.	305.4	398.1	22.65	38.34	3.184
#2	6713.	304.2	397.7	22.11	38.71	3.923
#3	6734.	304.7	391.8	22.33	36.06	5.183
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	**2.215**	**-2.947**	**182.7**	**97.61**	**141.8**	**1.253**
Stddev	2.470	.510	.6	.21	1.5	.236
%RSD	111.5	17.30	.3150	.2192	1.080	18.82
#1	4.969	-3.530	182.4	97.43	140.0	1.348
#2	1.479	-2.588	183.4	97.56	142.3	1.426
#3	.1961	-2.722	182.3	97.85	143.0	.9843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131798-F-1-D@4 Acquired: 4/21/2017 14:06:21 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**16.25**	**24.11**	**896.3**	**1002.**
Stddev	1.93	.16	2.0	15.
%RSD	11.89	.6660	.2224	1.483
#1	14.17	23.96	895.1	989.9
#2	16.60	24.28	895.2	997.3
#3	17.99	24.08	898.6	1019.
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	**2895.2**	**30603.**	**7718.9**
Stddev	10.3	282.	81.4
%RSD	.35467	.92251	1.0543
#1	2884.8	30292.	7679.8
#2	2895.4	30673.	7664.4
#3	2905.4	30844.	7812.4

Sample Name: 460-131798-F-3-B@4 Acquired: 4/21/2017 14:14:04 Type: Unk
Method: xin_sw030317(v53) 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	**34910.**	**19.97**	**-.8921**	**119.7**	**2.685**	**117700.**
Stddev	229.	1.47	.2979	.3	.056	414.
%RSD	.6546	7.382	33.39	.2412	2.072	.3519
#1	34810.	19.33	-.7068	119.4	2.748	117500.
#2	34750.	18.92	-.7338	120.0	2.645	118200.
#3	35170.	21.65	-1.236	119.8	2.661	117400.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8444**	**4.341**	**327.5**	**20.72**	**73130.**	**9919.**
Stddev	.1804	.290	1.3	.34	398.	72.
%RSD	21.37	6.690	.4119	1.640	.5440	.7214
#1	-.6940	4.013	326.0	20.34	72890.	9930.
#2	-1.044	4.566	328.6	20.83	73590.	9843.
#3	-.7946	4.444	327.9	20.99	72910.	9985.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131798-F-3-B@4 Acquired: 4/21/2017 14:14:04 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12400.**	**187.5**	**849.8**	**28.97**	**49.99**	**2.092**
Stddev	57.	2.4	3.1	.23	.42	.684
%RSD	.4581	1.293	.3606	.7833	.8383	32.66
#1	12390.	187.1	848.3	28.78	50.10	2.372
#2	12450.	190.1	847.7	28.92	50.34	2.592
#3	12340.	185.3	853.3	29.22	49.53	1.314
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	**1.534**	**-2.925**	**222.4**	**121.9**	**116.1**	**2.281**
Stddev	.445	1.187	1.7	.6	.5	.278
%RSD	29.01	40.60	.7707	.4900	.4567	12.17
#1	1.912	-1.847	220.7	121.2	115.8	2.015
#2	1.043	-4.198	224.1	122.1	115.8	2.259
#3	1.646	-2.730	222.6	122.3	116.7	2.569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131798-F-3-B@4 Acquired: 4/21/2017 14:14:04 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**17.57**	**189.1**	**759.5**	**1923.**
Stddev	1.27	.8	4.0	10.
%RSD	7.220	.4096	.5301	.4986
#1	16.28	189.1	756.3	1917.
#2	17.62	188.4	764.0	1918.
#3	18.82	189.9	758.2	1934.
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	**2802.7**	**29697.**	**7663.8**
Stddev	1.4	154.	59.1
%RSD	.04831	.51956	.77145
#1	2802.3	29612.	7686.3
#2	2804.2	29604.	7708.3
#3	2801.6	29875.	7596.7

Sample Name: 460-131798-D-5-A@4 Acquired: 4/21/2017 14:21:46 Type: Unk
Method: xin_sw030317(v53) 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	**22760.**	**15.75**	**.0753**	**55.52**	**2.285**	**7423.**
Stddev	162.	1.04	.6165	.47	.035	21.
%RSD	.7097	6.610	818.9	.8423	1.531	.2778
#1	22580.	16.19	.0619	54.99	2.246	7430.
#2	22820.	16.51	-.5344	55.84	2.315	7400.
#3	22880.	14.57	.6983	55.74	2.294	7440.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.057**	**4.767**	**316.8**	**16.04**	**68050.**	**8459.**
Stddev	.089	.249	1.6	.51	283.	71.
%RSD	8.434	5.232	.4945	3.195	.4162	.8343
#1	-1.138	4.613	315.1	16.46	67910.	8407.
#2	-.9612	4.634	317.0	16.18	67860.	8539.
#3	-1.071	5.055	318.2	15.47	68370.	8430.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131798-D-5-A@4 Acquired: 4/21/2017 14:21:46 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4588.**	**130.0**	**281.9**	**15.64**	**30.38**	**3.967**
Stddev	25.	.5	3.6	.26	1.60	1.260
%RSD	.5415	.3900	1.288	1.694	5.270	31.78
#1	4567.	129.8	282.2	15.33	28.54	4.180
#2	4581.	129.6	278.1	15.76	31.44	5.106
#3	4615.	130.6	285.3	15.81	31.17	2.613
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	**3.857**	**-4.106**	**231.9**	**122.4**	**73.12**	**1.460**
Stddev	1.496	2.414	1.8	.9	1.16	.099
%RSD	38.78	58.78	.7871	.7379	1.581	6.756
#1	4.632	-6.373	230.8	121.5	71.95	1.540
#2	2.133	-1.568	230.9	122.5	73.14	1.350
#3	4.805	-4.378	234.0	123.3	74.26	1.491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131798-D-5-A@4 Acquired: 4/21/2017 14:21:46 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**15.40**	**43.58**	**491.7**	**771.1**
Stddev	1.08	.38	1.8	17.8
%RSD	7.035	.8825	.3754	2.311
#1	14.17	43.15	489.7	753.5
#2	16.22	43.71	492.1	770.6
#3	15.82	43.88	493.3	789.1
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	**2862.6**	**30370.**	**7627.4**
Stddev	12.3	284.	53.9
%RSD	.42851	.93659	.70618
#1	2848.7	30041.	7647.8
#2	2872.1	30533.	7566.4
#3	2866.9	30535.	7668.2

Sample Name: CCV Acquired: 4/21/2017 14:25:38 Type: QC
Method: xin_sw030317(v53) 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	**126600.**	**2479.**	**1257.**	**10210.**	**1002.**	**126800.**
Stddev	344.	4.	7.	28.	3.	635.
%RSD	.2713	.1697	.5178	.2747	.3449	.5005
#1	126200.	2476.	1262.	10200.	998.4	127200.
#2	126900.	2478.	1259.	10240.	1002.	127200.
#3	126700.	2484.	1250.	10190.	1005.	126100.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1265.**	**2512.**	**5149.**	**12440.**	**104000.**	**49470.**
Stddev	3.	2.	26.	23.	799.	242.
%RSD	.2588	.0778	.5075	.1813	.7686	.4896
#1	1264.	2510.	5160.	12460.	104400.	49200.
#2	1269.	2514.	5168.	12420.	104400.	49570.
#3	1262.	2511.	5119.	12450.	103000.	49660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 14:25:38 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**126700.**	**5087.**	**125900.**	**2549.**	**7597.**	**979.0**
Stddev	642.	11.	390.	6.	19.	3.1
%RSD	.5063	.2247	.3099	.2326	.2532	.3207
#1	127100.	5098.	125500.	2546.	7595.	975.8
#2	127100.	5086.	126100.	2556.	7617.	979.0
#3	126000.	5075.	126200.	2545.	7579.	982.1
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	**2485.**	**2598.**	**2530.**	**2613.**	**1003.**	**2517.**
Stddev	9.	10.	7.	16.	2.	3.
%RSD	.3621	.3837	.2848	.6035	.1548	.1347
#1	2474.	2587.	2532.	2615.	1002.	2514.
#2	2490.	2607.	2535.	2628.	1004.	2521.
#3	2490.	2599.	2521.	2597.	1005.	2517.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 14:25:38 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1014.**	**4977.**	**10420.**	**9549.**
Stddev	4.	20.	44.	95.
%RSD	.4117	.4023	.4264	.9926
#1	1010.	4956.	10450.	9464.
#2	1018.	4979.	10440.	9533.
#3	1014.	4995.	10370.	9651.
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	**2658.5**	**28303.**	**7387.8**
Stddev	9.6	193.	57.1
%RSD	.36242	.68360	.77334
#1	2661.4	28307.	7370.1
#2	2647.8	28108.	7341.5
#3	2666.4	28495.	7451.7

Sample Name: CCB Acquired: 4/21/2017 14:29:13 Type: QC
Method: xin_sw030317(v53) 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	**4.323**	**.9633**	**-.5504**	**.1020**	**.1320**	**-1.243**
Stddev	8.888	.2815	.5801	.1356	.0540	.700
%RSD	205.6	29.23	105.4	132.9	40.89	56.28
#1	-3.742	.7084	-.8444	.2182	.1664	-.4624
#2	13.85	.9159	-.9246	.1348	.0698	-1.454
#3	2.857	1.266	.1178	-.0470	.1599	-1.813
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1062**	**.1305**	**.1890**	**-.1454**	**8.522**	**-27.48**
Stddev	.0563	.5506	.1330	.1534	3.211	8.12
%RSD	53.02	421.8	70.37	105.5	37.68	29.55
#1	.1584	.7290	.0920	-.0663	5.361	-18.13
#2	.1139	-.3544	.3406	-.3221	8.423	-32.73
#3	.0465	.0170	.1343	-.0477	11.78	-31.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 14:29:13 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1.054**	**.0496**	**-23.06**	**-.0078**	**-.9486**	**.6032**
Stddev	2.656	.0381	3.62	.1369	1.406	1.352
%RSD	251.9	76.75	15.71	1748.	148.2	224.1
#1	3.217	.0908	-20.05	.1501	-2.550	1.065
#2	-1.911	.0159	-22.05	-.0815	-.3746	-.9191
#3	1.857	.0421	-27.08	-.0921	.0791	1.663
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	**-.1574**	**-1.034**	**.2066**	**-.3176**	**1.400**	**.9743**
Stddev	.1716	.340	.2928	.0542	.118	.2776
%RSD	109.0	32.84	141.7	17.05	8.417	28.50
#1	.0391	-1.308	.2460	-.2597	1.469	1.291
#2	-.2336	-1.141	.4777	-.3262	1.468	.8594
#3	-.2778	-.6541	-.1039	-.3670	1.264	.7725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 14:29:13 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.824**	**.0842**	**.4698**	**11.54**
Stddev	1.004	.0438	.4312	9.93
%RSD	35.56	52.02	91.79	86.00
#1	1.777	.0552	.9637	.1941
#2	2.914	.1346	.2779	15.82
#3	3.779	.0629	.1678	18.61
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	**2824.3**	**30010.**	**7457.2**
Stddev	3.1	135.	60.6
%RSD	.10876	.44980	.81265
#1	2827.8	29867.	7485.0
#2	2822.6	30135.	7498.9
#3	2822.4	30027.	7387.7

Sample Name: CCVL Acquired: 4/21/2017 14:33:14 Type: QC
Method: xin_sw030317(v53) 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	**235.8**	**15.06**	**10.11**	**215.1**	**2.231**	**5204.**
Stddev	9.7	2.50	.09	.3	.050	30.
%RSD	4.110	16.63	.9081	.1482	2.248	.5779
#1	227.6	16.62	10.18	214.7	2.259	5173.
#2	233.4	16.39	10.13	215.3	2.173	5208.
#3	246.5	12.17	10.01	215.3	2.261	5233.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.198**	**54.65**	**10.75**	**24.88**	**171.3**	**4999.**
Stddev	.052	.42	.44	.29	8.3	52.
%RSD	1.229	.7647	4.098	1.182	4.824	1.050
#1	4.258	54.17	11.14	24.54	169.4	4940.
#2	4.164	54.86	10.27	25.11	164.1	5018.
#3	4.173	54.93	10.84	24.98	180.3	5040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 14:33:14 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5084.**	**16.12**	**4997.**	**44.02**	**12.43**	**22.07**
Stddev	35.	.13	7.	.63	.19	1.39
%RSD	.6848	.8042	.1352	1.439	1.544	6.287
#1	5048.	15.99	5001.	43.52	12.21	22.36
#2	5087.	16.25	4989.	43.80	12.49	23.30
#3	5117.	16.11	5000.	44.73	12.58	20.57
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	**18.51**	**24.44**	**52.83**	**33.49**	**50.61**	**21.05**
Stddev	3.12	.89	.42	.40	.84	.24
%RSD	16.87	3.635	.8000	1.197	1.653	1.122
#1	15.86	25.17	52.40	33.57	50.40	20.79
#2	21.96	23.45	53.24	33.06	49.90	21.24
#3	17.72	24.70	52.84	33.85	51.53	21.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 14:33:14 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**61.26**	**21.02**	**22.77**	F **16.20**
Stddev	2.56	.18	.19	7.71
%RSD	4.179	.8406	.8226	47.57
#1	60.47	21.01	22.56	7.595
#2	59.20	21.20	22.87	18.56
#3	64.13	20.84	22.89	22.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2820.7**	**29997.**	**7485.7**
Stddev	8.1	195.	68.2
%RSD	.28658	.64863	.91114
#1	2826.5	30128.	7516.6
#2	2824.0	30090.	7533.0
#3	2811.4	29774.	7407.5

Sample Name: 460-131784-B-4-A@40 Acquired: 4/21/2017 15:16:23 Type: Unk
Method: xin_sw030317(v53) 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	**5379.**	**10.86**	**.5759**	**101.4**	**.5389**	**15090.**
Stddev	45.	.50	.8257	.8	.0278	76.
%RSD	.8275	4.591	143.4	.7619	5.154	.5053
#1	5328.	10.85	.0783	100.5	.5252	15030.
#2	5407.	10.36	.1205	101.9	.5708	15060.
#3	5403.	11.36	1.529	101.8	.5206	15170.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.030**	**4.476**	**194.8**	**150.5**	**22490.**	**549.5**
Stddev	.034	.139	1.1	1.0	82.	22.9
%RSD	.8445	3.094	.5876	.6696	.3635	4.164
#1	4.038	4.581	193.7	149.4	22390.	559.8
#2	3.992	4.528	194.6	151.2	22540.	523.3
#3	4.059	4.319	196.0	151.1	22520.	565.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-B-4-A@40 Acquired: 4/21/2017 15:16:23 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5815.**	**2447.**	**60.05**	**15.69**	**3473.**	**9.560**
Stddev	33.	9.	8.35	.50	23.	1.482
%RSD	.5698	.3709	13.90	3.192	.6667	15.50
#1	5780.	2441.	69.54	16.19	3446.	9.660
#2	5819.	2443.	53.85	15.19	3484.	8.030
#3	5846.	2458.	56.75	15.70	3488.	10.99
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	**-.0862**	**-1.196**	**42.85**	**2400.**	**3.299**	**1.451**
Stddev	2.568	2.067	.66	9.	.658	.119
%RSD	2977.	172.8	1.546	.3600	19.94	8.226
#1	-2.933	1.016	42.16	2391.	3.575	1.494
#2	2.056	-1.525	42.93	2400.	3.774	1.316
#3	.6182	-3.079	43.48	2408.	2.548	1.543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-B-4-A@40 Acquired: 4/21/2017 15:16:23 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**86.92**	**41.82**	**352.6**	**141.9**
Stddev	1.25	.51	.7	7.5
%RSD	1.433	1.212	.1940	5.263
#1	85.48	41.32	352.0	146.9
#2	87.74	41.81	352.4	133.3
#3	87.53	42.33	353.3	145.5
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	**2810.7**	**29672.**	**7304.2**
Stddev	14.6	119.	44.1
%RSD	.51801	.40024	.60416
#1	2794.7	29553.	7307.6
#2	2814.1	29674.	7258.4
#3	2823.2	29790.	7346.5

Sample Name: 460-131784-A-8-A@80 Acquired: 4/21/2017 15:20:14 Type: Unk
Method: xin_sw030317(v53) 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	**1283.**	**21.88**	**125.6**	**124.4**	**5.909**	**3172.**
Stddev	9.	1.33	2.9	2.5	.063	52.
%RSD	.7045	6.058	2.280	1.997	1.059	1.641
#1	1273.	20.52	123.1	121.9	5.847	3118.
#2	1288.	21.94	124.9	124.4	5.907	3176.
#3	1289.	23.17	128.7	126.8	5.972	3221.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.9206**	**1.767**	**14.12**	**1085.**	**6671.**	**104.5**
Stddev	.1430	.439	.57	20.	139.	33.9
%RSD	15.53	24.86	4.054	1.880	2.082	32.43
#1	.8103	1.649	13.82	1066.	6520.	105.9
#2	1.082	1.399	14.78	1082.	6700.	69.94
#3	.8692	2.253	13.76	1107.	6794.	137.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-A-8-A@80 Acquired: 4/21/2017 15:20:14 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1370.**	**183.0**	**3.278**	**15.46**	F **19150.**	F **6784.**
Stddev	26.	2.7	3.000	.24	338.	141.
%RSD	1.883	1.479	91.53	1.525	1.764	2.082
#1	1340.	179.8	.5039	15.20	18810.	6652.
#2	1379.	184.5	6.463	15.55	19150.	6767.
#3	1389.	184.6	2.868	15.65	19480.	6933.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					15000.	2000.
Low Limit					-10.00	-20.00

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	**-2.590**	**-1.450**	**2.383**	**369.2**	**-.1410**	**.0770**
Stddev	1.770	.705	.400	6.9	.7123	.1824
%RSD	68.33	48.65	16.79	1.873	505.2	236.9
#1	-.7270	-1.055	2.030	362.1	-.7495	.0816
#2	-4.249	-2.264	2.818	369.5	-.3159	.2570
#3	-2.794	-1.031	2.302	375.9	.6425	-.1077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-A-8-A@80 Acquired: 4/21/2017 15:20:14 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F **29620.**	**16.09**	**42.75**	**139.6**
Stddev	503.	.47	.99	12.0
%RSD	1.698	2.935	2.322	8.626
#1	29120.	15.63	42.80	141.8
#2	29620.	16.07	41.73	126.6
#3	30130.	16.57	43.71	150.3
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2000.			
Low Limit	-50.00			

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	**2850.5**	**29907.**	**7357.6**
Stddev	4.1	193.	63.6
%RSD	.14404	.64601	.86378
#1	2847.7	29821.	7411.8
#2	2848.7	29771.	7373.4
#3	2855.2	30128.	7287.6

Sample Name: 460-131030-E-3-B MS Acquired: 4/21/2017 15:43:28 Type: Unk
Method: xin_sw030317(v53) 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	**3533.**	**2016.**	**52.32**	**2192.**	**52.33**	**45810.**
Stddev	7.	2.	.26	1.	.21	212.
%RSD	.2003	.0933	.5011	.0367	.3992	.4631
#1	3538.	2015.	52.02	2192.	52.09	45950.
#2	3535.	2014.	52.44	2192.	52.48	45570.
#3	3525.	2018.	52.51	2193.	52.41	45920.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.26**	**523.3**	**474.2**	**265.9**	**2753.**	**23070.**
Stddev	.14	.4	.6	1.3	30.	30.
%RSD	.2590	.0760	.1268	.5066	1.080	.1288
#1	52.42	523.7	474.0	264.5	2730.	23080.
#2	52.20	522.9	474.8	266.0	2743.	23100.
#3	52.17	523.4	473.7	267.2	2787.	23040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-E-3-B MS Acquired: 4/21/2017 15:43:28 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**24160.**	**539.0**	**124500.**	**667.9**	**506.6**	**483.6**
Stddev	82.	2.2	252.	1.0	1.2	.9
%RSD	.3409	.4162	.2027	.1496	.2341	.1918
#1	24170.	538.7	124600.	669.0	507.7	483.6
#2	24070.	536.8	124700.	667.2	506.8	484.5
#3	24240.	541.3	124200.	667.5	505.3	482.7
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	**2003.**	**2192.**	**535.9**	**600.5**	**537.3**	**527.0**
Stddev	11.	4.	3.6	.4	2.5	1.7
%RSD	.5307	.1886	.6657	.0648	.4578	.3217
#1	1992.	2188.	532.2	600.1	534.8	525.1
#2	2014.	2192.	536.1	600.9	539.7	527.8
#3	2004.	2196.	539.3	600.6	537.3	528.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-E-3-B MS Acquired: 4/21/2017 15:43:28 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**537.1**	**656.5**	**629.3**	**5390.**
Stddev	3.0	2.4	1.2	54.
%RSD	.5671	.3690	.1891	.9976
#1	533.7	653.9	628.0	5343.
#2	537.9	658.7	630.3	5378.
#3	539.7	656.8	629.6	5449.
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	**2652.8**	**28063.**	**7147.7**
Stddev	9.3	185.	112.3
%RSD	.34962	.65890	1.5705
#1	2642.2	27850.	7023.2
#2	2659.5	28159.	7178.8
#3	2656.6	28180.	7241.2

Sample Name: MB 460-431973/1-A Acquired: 4/21/2017 15:24:02 Type: QC
Method: xin_sw030317(v53) 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	**2.378**	**1.669**	**-.5250**	**-.0460**	**.0878**	**-6.851**
Stddev	16.39	.953	.1244	.0985	.0889	9.262
%RSD	689.2	57.10	23.70	214.3	101.2	135.2
#1	16.64	2.644	-.6215	-.1333	-.0096	2.612
#2	-15.53	.7398	-.3846	.0608	.1644	-15.90
#3	6.030	1.622	-.5690	-.0654	.1087	-7.266
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1707**	**.0059**	**.1931**	**-.5127**	**10.00**	**-49.91**
Stddev	.1098	.2381	.2686	.4306	3.67	22.58
%RSD	64.29	4023.	139.1	84.00	36.72	45.24
#1	-.1698	.0680	.1216	-.4153	9.444	-43.04
#2	-.0614	.2068	-.0325	-.9836	13.92	-75.13
#3	-.2809	-.2570	.4902	-.1390	6.640	-31.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-431973/1-A Acquired: 4/21/2017 15:24:02 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.5318**	**-.0173**	**-36.74**	**-.2001**	**.0435**	**6.172**
Stddev	4.832	.0266	8.54	.6990	.6557	.588
%RSD	908.6	153.6	23.23	349.3	1508.	9.532
#1	-4.928	-.0073	-35.06	-.0588	.3571	6.457
#2	4.260	-.0474	-29.17	.4174	-.7101	5.495
#3	2.264	.0028	-45.99	-.9590	.4835	6.563
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	**-.7295**	**-.5264**	**.2121**	**.0212**	**-.4146**	**-.1927**
Stddev	4.435	.8490	.2606	.2066	.3140	.1590
%RSD	608.0	161.3	122.9	974.9	75.73	82.55
#1	2.847	-1.507	.3228	-.1411	-.6886	-.1368
#2	.6573	-.0304	.3990	.2537	-.0720	-.3721
#3	-5.693	-.0421	-.0856	-.0490	-.4833	-.0691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-431973/1-A Acquired: 4/21/2017 15:24:02 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**15.61**	**.0053**	**-.0511**	**4.262**
Stddev	2.78	.1302	.1469	12.55
%RSD	17.83	2442.	287.7	294.4
#1	12.60	-.0213	.0092	15.56
#2	16.14	-.1095	-.2185	6.464
#3	18.09	.1467	.0561	-9.240
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	**2771.0**	**29380.**	**7248.0**
Stddev	18.6	185.	33.8
%RSD	.67234	.62951	.46623
#1	2791.8	29578.	7281.9
#2	2765.4	29349.	7214.3
#3	2755.9	29212.	7247.8

Sample Name: CCVL Acquired: 4/21/2017 16:02:26 Type: QC
Method: xin_sw030317(v53) 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	**232.3**	**14.98**	**10.02**	**218.9**	**2.194**	**5265.**
Stddev	1.5	2.63	.36	.4	.034	51.
%RSD	.6339	17.59	3.616	.1847	1.531	.9659
#1	234.0	18.00	10.15	219.4	2.156	5323.
#2	231.2	13.83	10.31	218.7	2.203	5230.
#3	231.8	13.12	9.615	218.7	2.221	5241.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.286**	**55.31**	**10.96**	**25.21**	**173.9**	**4982.**
Stddev	.040	.28	.35	.31	6.5	58.
%RSD	.9309	.5021	3.216	1.216	3.753	1.172
#1	4.286	55.41	11.35	24.94	171.4	4917.
#2	4.245	55.00	10.88	25.54	169.0	4998.
#3	4.325	55.52	10.66	25.15	181.3	5030.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 16:02:26 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5195.**	**16.35**	**5035.**	**44.92**	**10.56**	**22.27**
Stddev	15.	.14	9.	.35	1.21	1.64
%RSD	.2921	.8632	.1782	.7800	11.43	7.346
#1	5212.	16.19	5037.	45.00	10.49	23.19
#2	5183.	16.38	5025.	44.54	9.383	20.39
#3	5189.	16.47	5043.	45.22	11.79	23.25
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	**19.42**	**23.80**	**53.52**	**34.03**	**52.20**	**21.45**
Stddev	.55	.56	.41	.21	.68	.18
%RSD	2.856	2.342	.7568	.6164	1.295	.8378
#1	19.91	23.51	53.53	34.14	52.78	21.53
#2	18.82	23.45	53.11	34.16	51.46	21.58
#3	19.53	24.44	53.92	33.79	52.38	21.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 16:02:26 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**58.27**	**21.01**	**23.25**	F **15.58**
Stddev	1.02	.34	.18	14.68
%RSD	1.745	1.600	.7820	94.21
#1	57.10	20.78	23.45	12.43
#2	58.70	20.86	23.19	2.733
#3	58.99	21.40	23.11	31.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2825.0**	**29766.**	**7523.3**
Stddev	5.5	707.	304.3
%RSD	.19489	2.3742	4.0447
#1	2818.7	28959.	7180.5
#2	2828.4	30062.	7761.4
#3	2828.0	30276.	7628.1

Sample Name: 460-131964-E-4-A Acquired: 4/21/2017 16:10:21 Type: Unk
Method: xin_sw030317(v53) 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	**237.6**	**2.440**	**-.6667**	**58.06**	**.4887**	**7423.**
Stddev	1.5	1.559	.0607	.18	.0579	6.
%RSD	.6201	63.91	9.100	.3097	11.85	.0873
#1	239.3	1.560	-.6146	58.16	.5506	7431.
#2	236.9	1.520	-.6521	57.85	.4795	7418.
#3	236.7	4.241	-.7333	58.17	.4359	7422.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2811**	**10.01**	**1.787**	**.4183**	**12690.**	**1968.**
Stddev	.1356	.45	.026	.2503	85.	29.
%RSD	48.25	4.514	1.463	59.83	.6670	1.455
#1	-.1275	9.617	1.773	.2817	12590.	2000.
#2	-.3845	10.50	1.817	.2661	12700.	1959.
#3	-.3313	9.899	1.772	.7072	12760.	1945.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131964-E-4-A Acquired: 4/21/2017 16:10:21 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2265.**	**187.9**	**55840.**	**3.739**	**-1.267**	**.7237**
Stddev	5.	.3	124.	.407	.427	.7478
%RSD	.2213	.1491	.2223	10.89	33.69	103.3
#1	2263.	188.2	55850.	3.272	-1.074	1.525
#2	2262.	187.7	55950.	4.021	-1.756	.6005
#3	2271.	187.7	55700.	3.923	-.9708	.0452
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**	**-2.127**	**1.098**	**25.96**	**39.51**	**.1846**
Stddev	2.701	2.608	.270	.15	.13	.1453
%RSD	168.1	122.6	24.61	.5719	.3319	78.74
#1	-1.814	.6226	1.132	25.90	39.58	.2550
#2	1.192	-4.565	1.350	25.86	39.59	.0175
#3	-4.198	-2.438	.8125	26.13	39.36	.2813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131964-E-4-A Acquired: 4/21/2017 16:10:21 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.091**	**52.80**	**7.404**	**2414.**
Stddev	.982	.35	.762	17.
%RSD	90.03	.6543	10.29	.7198
#1	.3108	52.42	8.097	2412.
#2	.7681	53.09	6.588	2398.
#3	2.194	52.89	7.528	2433.
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	**2738.6**	**29313.**	**7535.5**
Stddev	2.6	104.	28.8
%RSD	.09574	.35486	.38177
#1	2740.5	29424.	7564.1
#2	2739.7	29296.	7535.8
#3	2735.6	29218.	7506.6

Sample Name: LCS 460-431973/2-A Acquired: 4/21/2017 15:28:03 Type: QC
Method: xin_sw030317(v53) 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	**2157.**	**1975.**	**48.99**	**2111.**	**52.03**	**20180.**
Stddev	13.	8.	.36	5.	.15	63.
%RSD	.5840	.3942	.7300	.2423	.2803	.3131
#1	2168.	1971.	48.65	2107.	51.93	20120.
#2	2160.	1970.	48.95	2109.	51.95	20250.
#3	2143.	1984.	49.37	2117.	52.19	20170.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.37**	**525.4**	**215.1**	**247.5**	**1076.**	**19600.**
Stddev	.05	1.2	1.3	.6	17.	44.
%RSD	.0975	.2210	.6204	.2586	1.557	.2221
#1	52.32	524.9	213.7	246.8	1059.	19640.
#2	52.35	524.6	216.4	248.1	1092.	19550.
#3	52.42	526.8	215.2	247.5	1076.	19610.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-431973/2-A Acquired: 4/21/2017 15:28:03 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**20140.**	**511.9**	**20030.**	**539.5**	**505.8**	**476.8**
Stddev	47.	1.2	68.	1.5	4.3	2.2
%RSD	.2349	.2308	.3392	.2845	.8426	.4635
#1	20090.	510.7	20050.	538.3	506.1	474.5
#2	20180.	513.1	19960.	539.0	501.4	477.0
#3	20140.	511.8	20090.	541.3	509.9	478.9
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	**1975.**	**2215.**	**522.6**	**563.2**	**499.0**	**522.4**
Stddev	7.	10.	4.7	3.7	2.7	2.8
%RSD	.3766	.4696	.9018	.6482	.5368	.5351
#1	1969.	2210.	517.1	560.1	496.1	519.7
#2	1973.	2208.	525.4	562.3	499.3	522.3
#3	1983.	2227.	525.3	567.2	501.4	525.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: LCS 460-431973/2-A Acquired: 4/21/2017 15:28:03 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**536.7**	**498.4**	**538.8**	**69.33**
Stddev	4.3	1.4	.9	4.17
%RSD	.8081	.2815	.1753	6.013
#1	532.1	499.4	537.7	66.51
#2	537.4	496.8	539.6	74.12
#3	540.7	499.0	539.1	67.36
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	**2707.8**	**28879.**	**7247.9**
Stddev	11.1	49.	56.4
%RSD	.40814	.16965	.77810
#1	2715.0	28922.	7299.8
#2	2713.3	28826.	7256.0
#3	2695.1	28890.	7187.9

Sample Name: 460-131030-A-3-A DU Acquired: 4/21/2017 15:31:42 Type: Unk
Method: xin_sw030317(v53) 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	**1206.**	**.8593**	**2.116**	**77.99**	**.0742**	**26050.**
Stddev	25.	.9822	.410	.10	.0166	121.
%RSD	2.039	114.3	19.37	.1319	22.45	.4661
#1	1231.	.0071	2.313	78.08	.0930	25910.
#2	1204.	.6372	2.390	78.02	.0613	26090.
#3	1182.	1.933	1.645	77.88	.0682	26150.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0241**	**.9212**	**257.0**	**14.44**	**1643.**	**3230.**
Stddev	.2092	.2037	1.7	.44	4.	11.
%RSD	868.3	22.11	.6647	3.070	.2154	.3317
#1	.0700	.7826	258.4	13.95	1645.	3219.
#2	-.2638	.8259	257.6	14.58	1639.	3240.
#3	.1215	1.155	255.1	14.80	1645.	3232.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-A-3-A DU Acquired: 4/21/2017 15:31:42 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4149.**	**29.15**	**105300.**	**136.4**	**2.213**	**2.843**
Stddev	12.	.05	407.	.4	.365	2.118
%RSD	.2956	.1580	.3861	.3269	16.50	74.50
#1	4134.	29.19	104900.	136.6	2.361	1.293
#2	4157.	29.10	105600.	135.9	2.481	5.256
#3	4155.	29.17	105500.	136.7	1.797	1.980
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	**2.077**	**.7511**	**3.243**	**30.96**	**32.20**	**.1923**
Stddev	2.140	.9314	.218	.14	.61	.3454
%RSD	103.1	124.0	6.729	.4450	1.895	179.6
#1	4.176	1.800	3.000	31.11	32.88	.4783
#2	2.156	.4334	3.308	30.84	31.69	.2899
#3	-.1020	.0201	3.421	30.94	32.04	-.1914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-A-3-A DU Acquired: 4/21/2017 15:31:42 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.395**	**158.4**	**90.32**	**5203.**
Stddev	.898	.8	1.26	35.
%RSD	12.15	.5020	1.400	.6660
#1	6.876	157.5	89.17	5240.
#2	6.876	158.9	91.68	5172.
#3	8.432	158.9	90.12	5196.
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	**2725.8**	**28502.**	**7230.4**
Stddev	25.6	238.	57.6
%RSD	.93817	.83608	.79632
#1	2700.1	28388.	7197.6
#2	2726.0	28342.	7196.8
#3	2751.3	28776.	7296.9

Sample Name: 460-131030-E-3-A Acquired: 4/21/2017 15:35:35 Type: Unk
Method: xin_sw030317(v53) 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	**1175.**	**1.288**	**1.818**	**77.98**	**.1057**	**26130.**
Stddev	29.	.432	.705	.24	.1046	110.
%RSD	2.486	33.51	38.79	.3058	98.92	.4218
#1	1141.	1.780	1.339	77.71	.2265	26170.
#2	1187.	1.112	2.627	78.06	.0449	26200.
#3	1196.	.9724	1.486	78.16	.0458	26000.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0105**	**.7002**	**257.3**	**14.30**	**1633.**	**3233.**
Stddev	.1272	.0195	1.4	.54	21.	16.
%RSD	1212.	2.782	.5415	3.800	1.280	.4830
#1	.1346	.7000	258.4	13.89	1612.	3216.
#2	-.0633	.7198	257.7	14.10	1654.	3247.
#3	-.1028	.6808	255.7	14.92	1632.	3235.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-E-3-A Acquired: 4/21/2017 15:35:35 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4147.**	**29.32**	**105200.**	**135.6**	**1.759**	**1.619**
Stddev	5.	.30	290.	.6	1.594	.953
%RSD	.1161	1.028	.2760	.4670	90.58	58.86
#1	4143.	28.98	104900.	134.9	3.419	.8389
#2	4146.	29.54	105400.	136.0	.2412	2.681
#3	4152.	29.45	105300.	136.0	1.618	1.336
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	**.0342**	**.6809**	**2.638**	**30.67**	**31.57**	**.0931**
Stddev	1.507	1.391	.268	.31	.30	.2114
%RSD	4402.	204.3	10.15	1.007	.9528	227.0
#1	.6300	-.1819	2.947	30.31	31.31	.2857
#2	-1.680	-.0612	2.466	30.82	31.50	.1267
#3	1.152	2.286	2.501	30.87	31.90	-.1331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-E-3-A Acquired: 4/21/2017 15:35:35 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.562**	**158.8**	**90.02**	**5202.**
Stddev	1.191	.5	4.14	6.
%RSD	18.14	.2907	4.605	.1200
#1	5.372	158.5	92.02	5209.
#2	6.560	159.4	92.78	5200.
#3	7.753	158.6	85.25	5198.
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	**2730.0**	**28630.**	**7282.2**
Stddev	9.4	94.	29.5
%RSD	.34413	.32769	.40478
#1	2736.9	28666.	7303.8
#2	2733.8	28524.	7248.7
#3	2719.3	28701.	7294.2

Sample Name: MB 460-432022/1-A Acquired: 4/21/2017 16:42:03 Type: Unk
Method: xin_sw030317(v53) 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	**-2.560**	**.4192**	**-.5840**	**-.0834**	**.1453**	**-14.50**
Stddev	12.90	.5615	.2637	.1730	.0548	.67
%RSD	504.0	133.9	45.16	207.4	37.69	4.609
#1	11.71	.7837	-.8868	-.2566	.0911	-14.17
#2	-6.002	.7014	-.4044	.0893	.2006	-15.27
#3	-13.39	-.2274	-.4608	-.0829	.1443	-14.05
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0637**	**-.0082**	**.0422**	**-.4301**	**12.15**	**-61.28**
Stddev	.0488	.1107	.2723	.6430	5.25	22.79
%RSD	76.61	1357.	644.8	149.5	43.22	37.20
#1	-.0074	.0120	.3427	-1.151	14.77	-36.49
#2	-.0899	-.1276	-.0278	-.2240	15.58	-81.33
#3	-.0939	.0911	-.1883	.0845	6.106	-66.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-432022/1-A Acquired: 4/21/2017 16:42:03 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-2.857**	**.0337**	**-26.85**	**-.4936**	**-.9880**	**2.749**
Stddev	.982	.0496	5.66	.2721	1.081	1.865
%RSD	34.38	147.1	21.08	55.13	109.4	67.84
#1	-3.227	.0846	-27.73	-.2048	-2.236	1.495
#2	-3.601	.0309	-20.80	-.5306	-.3518	4.892
#3	-1.744	-.0144	-32.02	-.7453	-.3759	1.861
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	**-.9516**	**-.5757**	**-.0414**	**.0927**	**-.3317**	**-.1532**
Stddev	1.823	2.354	.2801	.2440	.5898	.2090
%RSD	191.6	408.9	676.7	263.1	177.8	136.4
#1	.5587	-2.492	-.3334	.0376	-.6854	-.2257
#2	-.4364	2.052	.2251	-.1190	.3492	-.3162
#3	-2.977	-1.288	-.0159	.3596	-.6588	.0824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-432022/1-A Acquired: 4/21/2017 16:42:03 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.794**	**.0735**	**.1806**	**15.49**
Stddev	.606	.0324	.1685	9.72
%RSD	12.64	44.03	93.30	62.78
#1	4.154	.0645	.0308	23.81
#2	4.868	.0466	.1481	4.801
#3	5.359	.1094	.3631	17.84
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	**2770.6**	**29519.**	**7361.0**
Stddev	15.4	221.	84.1
%RSD	.55749	.74739	1.1424
#1	2752.8	29274.	7355.3
#2	2780.3	29581.	7279.9
#3	2778.7	29703.	7447.8

Sample Name: sd 460-131030-E-3-A Acquired: 4/21/2017 15:39:28 Type: Unk
Method: xin_sw030317(v53) 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	**248.0**	**.2768**	**-.0701**	**15.09**	**.1613**	**5014.**
Stddev	10.3	1.433	.4621	.19	.0414	18.
%RSD	4.134	517.8	659.0	1.254	25.67	.3672
#1	259.9	-.7207	.0715	14.88	.1309	5006.
#2	242.6	1.919	.3046	15.15	.1445	5035.
#3	241.6	-.3680	-.5865	15.25	.2084	5001.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0485**	**.2677**	**49.35**	**2.186**	**320.8**	**589.9**
Stddev	.0585	.3838	.37	.132	7.4	45.6
%RSD	120.5	143.4	.7570	6.051	2.306	7.738
#1	.0165	.4368	49.38	2.035	325.9	583.9
#2	-.0654	-.1716	49.71	2.282	312.3	638.2
#3	-.0967	.5378	48.97	2.241	324.3	547.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-131030-E-3-A Acquired: 4/21/2017 15:39:28 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**794.9**	**5.627**	**19920.**	**26.10**	**.4780**	**1.533**
Stddev	7.5	.139	46.	.55	.7574	1.173
%RSD	.9386	2.474	.2315	2.091	158.4	76.48
#1	787.8	5.538	19890.	25.50	-.2945	2.661
#2	802.7	5.556	19980.	26.57	1.219	.3207
#3	794.2	5.788	19900.	26.23	.5093	1.617
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	**-.1269**	**.4685**	**.8461**	**5.855**	**6.088**	**.0664**
Stddev	.9884	1.690	.1811	.150	.291	.2056
%RSD	778.7	360.7	21.41	2.565	4.778	309.8
#1	.3350	1.257	.9628	5.697	6.424	-.1491
#2	.5459	-1.472	.6374	5.874	5.928	.0878
#3	-1.262	1.620	.9380	5.996	5.913	.2605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-131030-E-3-A Acquired: 4/21/2017 15:39:28 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.289**	**30.77**	**17.49**	**993.7**
Stddev	1.325	.12	.82	19.2
%RSD	40.28	.3810	4.664	1.928
#1	1.765	30.83	16.77	974.2
#2	4.164	30.63	17.33	1013.
#3	3.937	30.83	18.38	994.3
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	**2719.1**	**28813.**	**7151.4**
Stddev	13.6	117.	40.4
%RSD	.50109	.40608	.56516
#1	2732.7	28920.	7196.9
#2	2705.5	28688.	7137.4
#3	2719.3	28830.	7119.8

Sample Name: 460-131457-F-8-B@4 Acquired: 4/21/2017 17:01:33 Type: Unk
Method: xin_sw030317(v53) 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	**39050.**	**18.95**	**-.1037**	**3872.**	**2.444**	**161000.**
Stddev	249.	1.57	.6103	5.	.028	264.
%RSD	.6388	8.301	588.3	.1198	1.147	.1641
#1	38770.	17.65	.5681	3875.	2.430	161300.
#2	39120.	18.51	-.2554	3866.	2.426	161000.
#3	39250.	20.70	-.6240	3873.	2.476	160800.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.757**	**29.29**	**95.88**	**112.0**	**60100.**	**5908.**
Stddev	.066	.25	.48	1.0	96.	28.
%RSD	1.380	.8416	.5034	.8797	.1605	.4783
#1	4.818	29.44	95.33	111.1	60180.	5876.
#2	4.764	29.00	96.07	111.9	60120.	5929.
#3	4.688	29.42	96.23	113.1	59990.	5920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-F-8-B@4 Acquired: 4/21/2017 17:01:33 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**20940.**	**1588.**	**3614.**	**86.21**	**4034.**	**.0886**
Stddev	31.	5.	22.	.39	43.	1.717
%RSD	.1491	.3089	.5982	.4537	1.073	1939.
#1	20960.	1593.	3591.	85.94	4084.	-1.586
#2	20950.	1588.	3619.	86.02	4008.	1.846
#3	20900.	1584.	3633.	86.66	4010.	.0054
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	**-.6022**	**-3.323**	**95.17**	**2950.**	**19.94**	**1.685**
Stddev	2.445	1.222	.53	5.	.37	.142
%RSD	406.0	36.79	.5574	.1864	1.871	8.414
#1	-3.347	-4.717	94.80	2956.	20.03	1.578
#2	.1992	-2.812	94.94	2947.	20.26	1.632
#3	1.341	-2.438	95.78	2946.	19.53	1.846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-F-8-B@4 Acquired: 4/21/2017 17:01:33 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**34.51**	**325.0**	**1572.**	**2420.**
Stddev	1.02	1.9	2.	18.
%RSD	2.941	.5900	.1395	.7498
#1	34.19	322.9	1573.	2436.
#2	33.69	325.2	1574.	2424.
#3	35.64	326.8	1570.	2400.
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	**2757.2**	**29297.**	**7663.4**
Stddev	9.2	77.	50.7
%RSD	.33513	.26360	.66156
#1	2747.5	29212.	7718.3
#2	2758.2	29317.	7653.7
#3	2765.9	29363.	7618.3

Sample Name: pds 460-131030-E-3-A Acquired: 4/21/2017 15:47:07 Type: Unk
Method: xin_sw030317(v53) 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	**3383.**	**2003.**	**51.47**	**2162.**	**51.87**	**46260.**
Stddev	17.	4.	.49	3.	.15	365.
%RSD	.4998	.2153	.9545	.1295	.2864	.7886
#1	3402.	2001.	51.45	2164.	51.98	45860.
#2	3371.	2008.	51.00	2164.	51.92	46320.
#3	3375.	2001.	51.98	2159.	51.70	46580.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.75**	**518.7**	**469.0**	**261.6**	**2711.**	**22930.**
Stddev	.03	.9	3.1	1.4	10.	11.
%RSD	.0560	.1831	.6513	.5395	.3783	.0492
#1	51.76	517.7	469.9	262.7	2705.	22940.
#2	51.77	519.6	465.6	260.0	2706.	22930.
#3	51.71	518.8	471.5	262.1	2723.	22920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-131030-E-3-A Acquired: 4/21/2017 15:47:07 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**24240.**	**540.1**	**124300.**	**660.5**	**500.5**	**474.0**
Stddev	96.	3.7	388.	1.5	3.0	1.9
%RSD	.3960	.6918	.3123	.2203	.5986	.4045
#1	24140.	535.9	124700.	662.1	503.9	474.2
#2	24240.	541.4	124200.	660.3	498.5	475.7
#3	24340.	543.1	124000.	659.2	498.9	471.9
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	**1990.**	**2157.**	**528.7**	**593.5**	**528.6**	**522.8**
Stddev	4.	3.	4.3	1.7	1.4	1.9
%RSD	.1836	.1613	.8118	.2845	.2561	.3611
#1	1988.	2156.	525.0	591.6	527.5	521.1
#2	1987.	2154.	527.6	594.3	530.1	524.8
#3	1994.	2161.	533.4	594.7	528.2	522.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-131030-E-3-A Acquired: 4/21/2017 15:47:07 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**534.9**	**653.1**	**635.4**	**5254.**
Stddev	3.3	1.1	5.8	20.
%RSD	.6100	.1697	.9085	.3831
#1	531.3	654.2	630.2	5238.
#2	535.9	652.0	634.6	5276.
#3	537.6	653.1	641.6	5246.
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	**2682.4**	**27939.**	**7133.2**
Stddev	12.3	45.	25.1
%RSD	.45728	.16219	.35199
#1	2673.5	27925.	7105.6
#2	2677.4	27902.	7154.7
#3	2696.4	27989.	7139.2

Sample Name: 460-131363-D-11-C Acquired: 4/21/2017 15:50:45 Type: Unk
Method: xin_sw030317(v53) 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	**1670.**	**5.074**	**-.1766**	**29.63**	**.2589**	**127400.**
Stddev	23.	1.525	.8315	.12	.0265	524.
%RSD	1.379	30.05	471.0	.4181	10.24	.4115
#1	1694.	3.353	.2592	29.64	.2893	127600.
#2	1648.	6.257	-1.135	29.75	.2465	127900.
#3	1669.	5.611	.3466	29.50	.2409	126800.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0896**	**.3056**	**6.674**	**3.909**	**3659.**	**28130.**
Stddev	.1814	.2259	.182	.534	33.	68.
%RSD	202.4	73.93	2.724	13.67	.9102	.2416
#1	-.2728	.1243	6.476	4.341	3623.	28140.
#2	.0898	.2337	6.832	3.311	3664.	28190.
#3	-.0859	.5586	6.716	4.076	3689.	28060.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131363-D-11-C Acquired: 4/21/2017 15:50:45 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**60190.**	**98.34**	F **518200.**	**2.247**	**-1.512**	**76.47**
Stddev	178.	.50	14310.	.103	.774	1.14
%RSD	.2952	.5080	2.761	4.594	51.16	1.486
#1	60090.	97.99	525100.	2.303	-.6419	75.29
#2	60400.	98.91	527800.	2.128	-2.122	77.56
#3	60090.	98.11	501800.	2.310	-1.772	76.57
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	**-.7558**	**-.0128**	**6.303**	**17.83**	**380.2**	**8.764**
Stddev	.1591	1.801	.568	.10	2.3	.110
%RSD	21.05	14070.	9.017	.5448	.6060	1.254
#1	-.6330	1.708	6.777	17.94	378.0	8.825
#2	-.9354	-1.885	5.673	17.75	380.0	8.637
#3	-.6988	.1379	6.460	17.79	382.6	8.831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131363-D-11-C Acquired: 4/21/2017 15:50:45 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.234**	**926.2**	**112.5**	**16890.**
Stddev	.889	3.1	1.5	77.
%RSD	16.98	.3320	1.367	.4565
#1	4.260	929.7	111.3	16850.
#2	6.002	924.1	112.0	16980.
#3	5.439	924.7	114.2	16840.
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	**2593.7**	**27044.**	**7173.6**
Stddev	10.9	158.	18.5
%RSD	.42215	.58492	.25849
#1	2600.2	27023.	7160.0
#2	2581.0	26897.	7166.1
#3	2599.8	27211.	7194.7

Sample Name: CCV Acquired: 4/21/2017 15:54:50 Type: QC
Method: xin_sw030317(v53) 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	**128500.**	**2509.**	**1280.**	**10390.**	**1003.**	**127700.**
Stddev	128.	6.	1.	18.	3.	263.
%RSD	.0996	.2291	.1096	.1705	.3078	.2055
#1	128300.	2503.	1280.	10380.	1002.	128000.
#2	128500.	2515.	1281.	10410.	1001.	127600.
#3	128600.	2510.	1278.	10380.	1007.	127500.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1285.**	**2532.**	**5251.**	**12530.**	**106600.**	**49260.**
Stddev	2.	3.	6.	11.	239.	93.
%RSD	.1719	.1258	.1231	.0906	.2238	.1884
#1	1284.	2529.	5252.	12540.	106500.	49240.
#2	1288.	2535.	5256.	12530.	106800.	49180.
#3	1284.	2531.	5244.	12520.	106400.	49360.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 15:54:50 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**128800.**	**5089.**	**126700.**	**2605.**	**7780.**	**983.3**
Stddev	235.	11.	114.	6.	21.	1.7
%RSD	.1828	.2200	.0902	.2114	.2662	.1751
#1	128900.	5101.	126800.	2599.	7765.	981.4
#2	129000.	5085.	126600.	2609.	7803.	983.9
#3	128500.	5080.	126800.	2607.	7771.	984.7
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	**2527.**	**2658.**	**2552.**	**2701.**	**1025.**	**2553.**
Stddev	6.	14.	2.	6.	3.	6.
%RSD	.2462	.5188	.0820	.2198	.2458	.2284
#1	2527.	2660.	2552.	2695.	1022.	2549.
#2	2533.	2670.	2554.	2707.	1027.	2559.
#3	2520.	2643.	2550.	2701.	1025.	2550.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 15:54:50 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1032.**	**4943.**	**10690.**	**9588.**
Stddev	2.	8.	19.	25.
%RSD	.1536	.1584	.1731	.2648
#1	1030.	4948.	10670.	9559.
#2	1032.	4934.	10710.	9602.
#3	1033.	4947.	10680.	9604.
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	**2578.4**	**27492.**	**7187.6**
Stddev	8.5	77.	28.2
%RSD	.32946	.28069	.39242
#1	2588.1	27517.	7211.4
#2	2574.8	27405.	7195.0
#3	2572.2	27553.	7156.5

Sample Name: CCB Acquired: 4/21/2017 15:58:25 Type: QC
Method: xin_sw030317(v53) 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	**15.66**	**.1038**	**-.5889**	**.0916**	**.0916**	**-7.855**
Stddev	5.05	1.603	.2208	.0272	.0133	4.862
%RSD	32.24	1544.	37.49	29.74	14.57	61.90
#1	18.39	-1.714	-.3496	.0731	.0762	-13.45
#2	9.830	1.316	-.7846	.0788	.0982	-4.616
#3	18.75	.7099	-.6327	.1229	.1003	-5.503
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0907**	**.2898**	**.2064**	**-.8010**	**18.21**	**-54.49**
Stddev	.0216	.1279	.3747	.2783	1.23	26.91
%RSD	23.79	44.14	181.5	34.74	6.733	49.38
#1	-.0659	.4232	.4687	-.4798	17.23	-26.88
#2	-.1009	.2781	.3731	-.9681	19.59	-80.63
#3	-.1052	.1681	-.2227	-.9552	17.81	-55.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 15:58:25 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-.8212**	**.0670**	**-3.886**	**-.8417**	**-.5157**	**-.0055**
Stddev	3.597	.0857	16.18	.2048	.7479	1.419
%RSD	438.0	127.9	416.5	24.33	145.0	25620.
#1	3.100	.1362	14.57	-.7327	-.2227	.7240
#2	-1.597	.0936	-15.66	-.7145	.0414	.8999
#3	-3.967	-.0289	-10.56	-1.078	-1.366	-1.641
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	**-3.541**	**-.3000**	**.4438**	**-.3026**	**2.429**	**.9110**
Stddev	1.084	1.441	.4137	.1247	.574	.5293
%RSD	30.62	480.3	93.21	41.22	23.61	58.10
#1	-4.023	-.3118	.8476	-.3850	3.008	1.522
#2	-2.300	1.147	.0209	-.1591	2.419	.6287
#3	-4.302	-1.735	.4630	-.3638	1.861	.5827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 15:58:25 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.976**	**.1054**	**.6451**	**16.54**
Stddev	.773	.1608	.4448	10.95
%RSD	39.15	152.6	68.94	66.19
#1	1.603	.2263	1.158	23.00
#2	1.459	.1669	.3666	3.899
#3	2.865	-.0771	.4107	22.72
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	**2741.3**	**29278.**	**7225.4**
Stddev	6.2	123.	73.1
%RSD	.22632	.41844	1.0120
#1	2743.7	29411.	7300.2
#2	2734.2	29169.	7154.1
#3	2745.9	29255.	7221.8

Sample Name: 460-131964-E-1-A Acquired: 4/21/2017 16:06:25 Type: Unk
Method: xin_sw030317(v53) 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	**214.5**	**1.734**	**-.0208**	**74.70**	**.4523**	**9944.**
Stddev	18.2	.423	.4679	.24	.0389	40.
%RSD	8.504	24.41	2252.	.3151	8.610	.3998
#1	195.3	2.147	.4928	74.57	.4713	9990.
#2	231.6	1.301	-.4228	74.55	.4075	9919.
#3	216.5	1.754	-.1324	74.97	.4780	9923.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2221**	**11.00**	**.7055**	**.4488**	**13740.**	**2127.**
Stddev	.0684	.10	.4646	.4539	85.	27.
%RSD	30.79	.8974	65.86	101.1	.6204	1.276
#1	-.1513	11.04	1.221	.7659	13640.	2100.
#2	-.2274	10.89	.5748	-.0711	13760.	2125.
#3	-.2878	11.08	.3202	.6515	13810.	2154.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131964-E-1-A Acquired: 4/21/2017 16:06:25 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2674.**	**202.1**	**39260.**	**4.499**	**-3.002**	**-.4250**
Stddev	4.	.7	80.	.287	1.222	1.224
%RSD	.1523	.3674	.2031	6.380	40.70	288.0
#1	2675.	202.9	39210.	4.302	-4.400	-1.177
#2	2670.	202.1	39230.	4.366	-2.463	-1.086
#3	2678.	201.4	39350.	4.828	-2.142	.9876
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	**-1.187**	**.2464**	**.9788**	**26.90**	**38.64**	**.1494**
Stddev	1.972	1.129	.1599	.08	.57	.2595
%RSD	166.2	458.1	16.33	.3017	1.476	173.7
#1	-3.463	1.438	1.076	26.85	38.20	.0174
#2	.0020	-.8067	.7943	26.86	39.29	.4484
#3	-.0988	.1080	1.066	27.00	38.44	-.0175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131964-E-1-A Acquired: 4/21/2017 16:06:25 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.503**	**73.41**	**5.071**	**2681.**
Stddev	.812	.55	.351	40.
%RSD	32.44	.7534	6.930	1.490
#1	1.622	72.83	5.357	2636.
#2	2.664	73.47	5.178	2701.
#3	3.222	73.94	4.679	2708.
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	**2780.3**	**29497.**	**7620.3**
Stddev	10.3	41.	45.6
%RSD	.37002	.13891	.59785
#1	2792.2	29544.	7656.9
#2	2774.8	29476.	7634.7
#3	2774.0	29471.	7569.3

Sample Name: 460-131030-D-2-A Acquired: 4/21/2017 16:14:18 Type: Unk
Method: xin_sw030317(v53) 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	**2594.**	**1.302**	**-.1577**	**67.28**	**.2347**	**10680.**
Stddev	24.	.863	.4756	.07	.0410	78.
%RSD	.9433	66.29	301.7	.1073	17.48	.7341
#1	2566.	.5542	.3103	67.31	.2245	10620.
#2	2613.	2.247	-.6406	67.20	.1998	10670.
#3	2603.	1.106	-.1428	67.33	.2799	10770.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1132**	**3.161**	**39.08**	**5.720**	**8825.**	**2133.**
Stddev	.0305	.171	.15	.232	56.	17.
%RSD	26.95	5.422	.3756	4.054	.6336	.7873
#1	-.1130	3.311	39.25	5.852	8778.	2152.
#2	-.0828	2.974	38.98	5.452	8811.	2119.
#3	-.1438	3.197	39.01	5.855	8887.	2128.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-D-2-A Acquired: 4/21/2017 16:14:18 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1912.**	**654.3**	**61530.**	**20.33**	**-2.792**	**2.084**
Stddev	16.	5.2	146.	.35	.376	.500
%RSD	.8135	.8008	.2370	1.714	13.45	23.99
#1	1898.	650.1	61370.	20.22	-3.084	2.373
#2	1909.	652.7	61670.	20.04	-2.925	1.507
#3	1928.	660.2	61540.	20.72	-2.369	2.373
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	**.3208**	**-2.216**	**5.690**	**103.0**	**25.82**	**.2022**
Stddev	2.553	1.147	.399	1.1	.64	.1994
%RSD	795.9	51.75	7.010	1.071	2.496	98.58
#1	3.154	-1.935	6.150	101.8	26.08	-.0017
#2	-.3902	-3.477	5.468	103.2	26.29	.2117
#3	-1.802	-1.236	5.451	103.9	25.08	.3967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-D-2-A Acquired: 4/21/2017 16:14:18 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.878**	**46.38**	**115.8**	**5547.**
Stddev	.285	.11	3.2	41.
%RSD	9.904	.2299	2.789	.7443
#1	2.732	46.27	114.1	5504.
#2	2.696	46.48	119.5	5586.
#3	3.207	46.38	113.7	5552.
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	**2749.1**	**29507.**	**7561.5**
Stddev	10.9	118.	18.7
%RSD	.39804	.39852	.24788
#1	2755.6	29637.	7580.1
#2	2755.1	29474.	7561.7
#3	2736.4	29409.	7542.6

Sample Name: 460-131030-E-4-A@2 Acquired: 4/21/2017 16:18:11 Type: Unk
Method: xin_sw030317(v53) 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	**35.49**	**-2.976**	**.5645**	**4.659**	**.0941**	**8366.**
Stddev	12.58	1.520	.6075	.050	.0137	16.
%RSD	35.45	51.08	107.6	1.080	14.58	.1966
#1	32.89	-1.655	-.1333	4.706	.0858	8357.
#2	24.41	-2.636	.9756	4.606	.0866	8385.
#3	49.16	-4.638	.8511	4.665	.1100	8355.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.334**	**-.0905**	**2.395**	**.1423**	**84160.**	**3972.**
Stddev	.008	.2182	.499	.2816	175.	20.
%RSD	.5724	241.1	20.84	197.9	.2083	.5058
#1	-1.325	-.0950	2.167	-.1188	84340.	3949.
#2	-1.338	-.3064	2.050	.4406	83990.	3982.
#3	-1.339	.1299	2.967	.1050	84140.	3985.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-E-4-A@2 Acquired: 4/21/2017 16:18:11 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**112700.**	**2889.**	**37230.**	**3.338**	**-8.708**	**-2.217**
Stddev	138.	3.	47.	.186	.238	.840
%RSD	.1221	.0955	.1255	5.582	2.733	37.91
#1	112800.	2887.	37280.	3.218	-8.950	-2.894
#2	112700.	2892.	37240.	3.553	-8.700	-1.276
#3	112500.	2887.	37180.	3.243	-8.474	-2.480
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	**1.406**	**-4.113**	**2.398**	**1.322**	**58.51**	**.7277**
Stddev	4.241	1.349	.143	.098	.49	.1515
%RSD	301.7	32.78	5.968	7.427	.8293	20.82
#1	5.919	-2.557	2.546	1.410	57.95	.8894
#2	.7956	-4.933	2.386	1.338	58.84	.5890
#3	-2.497	-4.850	2.261	1.216	58.73	.7047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-E-4-A@2 Acquired: 4/21/2017 16:18:11 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.705**	**33.60**	**1.608**	**1387.**
Stddev	.288	.30	.161	9.
%RSD	6.129	.9024	9.983	.6791
#1	4.425	33.31	1.441	1397.
#2	4.690	33.60	1.620	1379.
#3	5.001	33.91	1.761	1384.
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	**2739.9**	**29352.**	**7652.6**
Stddev	10.2	124.	34.9
%RSD	.37188	.42350	.45574
#1	2730.2	29209.	7691.6
#2	2739.0	29416.	7624.5
#3	2750.5	29430.	7641.6

Sample Name: 460-131030-E-5-A Acquired: 4/21/2017 16:22:09 Type: Unk
Method: xin_sw030317(v53) 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	**58.17**	**.9203**	**-.1095**	**20.55**	**.0219**	**12940.**
Stddev	6.14	.7447	.3299	.09	.0933	98.
%RSD	10.55	80.92	301.2	.4422	425.2	.7608
#1	55.87	1.449	-.3004	20.45	-.0232	13060.
#2	65.13	.0687	.2714	20.57	-.0402	12890.
#3	53.52	1.243	-.2996	20.62	.1292	12880.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5970**	**4.239**	**7.949**	**6.125**	**25120.**	**2001.**
Stddev	.1194	.283	.315	.135	91.	19.
%RSD	20.00	6.669	3.959	2.203	.3637	.9591
#1	-.5930	3.983	7.776	6.003	25050.	1980.
#2	-.4796	4.192	7.759	6.270	25080.	2005.
#3	-.7183	4.543	8.312	6.102	25220.	2018.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-E-5-A Acquired: 4/21/2017 16:22:09 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4871.**	**128.8**	**60020.**	**11.91**	**.0119**	**.1323**
Stddev	2.	.1	17.	.62	.4781	.9777
%RSD	.0347	.1080	.0281	5.211	4030.	739.1
#1	4872.	128.9	60020.	12.40	.2126	-.9811
#2	4869.	128.7	60040.	12.11	.3569	.8508
#3	4870.	128.9	60010.	11.21	-.5339	.5272
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	**-1.801**	**-1.694**	**3.713**	**3.942**	**32.99**	**-.0526**
Stddev	2.962	1.873	.120	.290	.39	.0589
%RSD	164.5	110.6	3.220	7.350	1.193	112.1
#1	-1.495	-3.301	3.575	3.686	32.55	.0090
#2	-4.905	-2.145	3.770	4.256	33.30	-.1085
#3	.9957	.3637	3.793	3.884	33.13	-.0583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-E-5-A Acquired: 4/21/2017 16:22:09 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.320**	**55.73**	**3.721**	**571.1**
Stddev	.107	.62	.174	15.3
%RSD	4.608	1.119	4.682	2.677
#1	2.294	55.03	3.808	553.8
#2	2.229	55.94	3.520	583.0
#3	2.438	56.22	3.834	576.3
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	**2750.9**	**29111.**	**7523.1**
Stddev	7.6	276.	93.5
%RSD	.27610	.94650	1.2431
#1	2750.7	28793.	7437.7
#2	2758.6	29265.	7508.4
#3	2743.4	29275.	7623.1

Sample Name: 460-131030-D-7-A@2 Acquired: 4/21/2017 16:26:07 Type: Unk
Method: xin_sw030317(v53) 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	**30.11**	**-3.612**	**.3974**	**5.828**	**.0764**	**8435.**
Stddev	17.86	.956	.5384	.115	.0718	80.
%RSD	59.30	26.46	135.5	1.976	93.91	.9495
#1	30.96	-4.429	.5169	5.955	.1551	8514.
#2	11.85	-2.561	-.1907	5.731	.0598	8438.
#3	47.53	-3.845	.8660	5.799	.0144	8354.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.688**	**-.4608**	**3.992**	**-.4634**	**98490.**	**3982.**
Stddev	.197	.1779	.499	.4359	335.	39.
%RSD	11.68	38.61	12.51	94.08	.3406	.9679
#1	-1.853	-.6505	3.480	-.9661	98660.	3951.
#2	-1.742	-.2976	4.019	-.2346	98700.	3971.
#3	-1.470	-.4344	4.478	-.1895	98100.	4025.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-D-7-A@2 Acquired: 4/21/2017 16:26:07 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**123700.**	**2761.**	**36510.**	**2.948**	**-8.177**	**-1.103**
Stddev	444.	8.	111.	.419	1.729	1.137
%RSD	.3588	.2982	.3031	14.23	21.15	103.1
#1	123900.	2766.	36540.	2.517	-9.333	-.4946
#2	123900.	2766.	36390.	2.971	-9.008	-2.415
#3	123200.	2752.	36610.	3.355	-6.189	-.4003
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	**3.327**	**-5.829**	**2.877**	**1.120**	**58.48**	**.9253**
Stddev	2.266	1.643	.202	.164	.86	.1504
%RSD	68.11	28.19	7.008	14.61	1.477	16.26
#1	.9609	-5.719	2.796	1.305	58.72	.8253
#2	5.477	-4.244	2.729	1.057	57.52	.8524
#3	3.542	-7.525	3.107	.9970	59.19	1.098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-D-7-A@2 Acquired: 4/21/2017 16:26:07 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**4.986**	**33.84**	**1.720**	**1353.**
Stddev	.431	.29	.087	30.
%RSD	8.641	.8448	5.041	2.200
#1	4.865	33.70	1.785	1341.
#2	5.465	33.65	1.752	1330.
#3	4.629	34.17	1.621	1387.
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	**2685.8**	**28903.**	**7547.7**
Stddev	8.1	199.	44.6
%RSD	.30071	.68936	.59114
#1	2684.4	28877.	7515.7
#2	2678.4	28719.	7528.7
#3	2694.4	29114.	7598.7

Sample Name: 460-131030-D-8-A Acquired: 4/21/2017 16:30:05 Type: Unk
Method: xin_sw030317(v53) 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	**69.73**	**.2335**	**-.5299**	**4.916**	**.1350**	**1647.**
Stddev	3.82	1.070	.3368	.159	.0535	6.
%RSD	5.484	458.4	63.56	3.242	39.60	.3691
#1	73.08	-.2551	-.4243	5.011	.1652	1646.
#2	70.53	-.5052	-.9068	5.004	.1665	1641.
#3	65.56	1.461	-.2585	4.732	.0733	1654.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1002**	**.0394**	**.1874**	**1.367**	**53.33**	**-30.24**
Stddev	.0639	.0325	.6387	.190	1.16	11.76
%RSD	63.84	82.55	340.8	13.92	2.181	38.90
#1	-.1184	.0634	.0637	1.314	52.69	-27.90
#2	-.1530	.0523	-.3804	1.578	52.63	-19.82
#3	-.0291	.0024	.8789	1.208	54.68	-42.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-D-8-A Acquired: 4/21/2017 16:30:05 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**338.4**	**2.430**	**333.6**	**.8096**	**-.1571**	**-.3983**
Stddev	1.4	.045	2.8	.3104	1.176	1.578
%RSD	.4064	1.851	.8530	38.34	748.6	396.2
#1	336.8	2.461	334.4	1.023	1.074	.8661
#2	339.3	2.449	330.4	.4534	-.2765	.1056
#3	339.0	2.378	336.0	.9529	-1.269	-2.166
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	**-.8412**	**-.7505**	**-.0596**	**61.07**	**2.602**	**.0728**
Stddev	.6282	.6327	.2260	.35	.277	.1343
%RSD	74.67	84.31	379.2	.5697	10.66	184.4
#1	-1.493	-1.454	-.0291	60.69	2.705	-.0802
#2	-.2390	-.2273	.1496	61.14	2.288	.1712
#3	-.7921	-.5705	-.2993	61.37	2.813	.1274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131030-D-8-A Acquired: 4/21/2017 16:30:05 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**3.004**	**3.593**	**.7352**	**166.4**
Stddev	.288	.117	.0172	2.6
%RSD	9.602	3.251	2.343	1.563
#1	3.106	3.502	.7502	163.4
#2	3.228	3.551	.7390	168.0
#3	2.679	3.724	.7164	167.8
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	**2774.5**	**29793.**	**7416.3**
Stddev	9.3	172.	49.5
%RSD	.33361	.57777	.66765
#1	2785.0	29985.	7460.8
#2	2767.5	29744.	7425.0
#3	2771.1	29651.	7363.0

Sample Name: 460-131896-F-14-A Acquired: 4/21/2017 16:34:06 Type: Unk
Method: xin_sw030317(v53) 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	**25.25**	**.5568**	**-.2577**	**-.0537**	**.0362**	**-1.887**
Stddev	6.30	1.179	.2159	.2125	.0726	2.565
%RSD	24.96	211.7	83.77	395.7	200.5	136.0
#1	31.33	-.2125	-.1186	-.1567	-.0466	-2.669
#2	25.66	-.0307	-.5064	-.1951	.0889	-3.969
#3	18.75	1.914	-.1481	.1907	.0662	.9787
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1142**	**.2434**	**.2912**	**-.6090**	**3.705**	**-39.41**
Stddev	.0836	.1858	.0599	.1275	9.779	23.23
%RSD	73.23	76.33	20.57	20.93	263.9	58.94
#1	-.1969	.4551	.3002	-.6875	-2.087	-47.01
#2	-.1159	.1677	.2273	-.6776	-1.793	-13.33
#3	-.0297	.1074	.3460	-.4619	15.00	-57.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131896-F-14-A Acquired: 4/21/2017 16:34:06 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-.6813**	**.0592**	**-11.19**	**-.2455**	**.1341**	**.3334**
Stddev	3.835	.0810	9.36	.2028	.1128	1.239
%RSD	562.9	136.8	83.63	82.59	84.15	371.5
#1	.0317	.0929	-5.783	-.3893	.0879	-.9104
#2	-4.823	.1180	-5.787	-.3338	.2627	1.567
#3	2.747	-.0332	-21.99	-.0136	.0517	.3434
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	**-.0393**	**-2.185**	**-.0818**	**1.342**	**2.652**	**-.1452**
Stddev	.9076	1.232	.3255	.298	.091	.2463
%RSD	2307.	56.36	397.7	22.21	3.419	169.7
#1	1.001	-1.479	-.4549	1.409	2.548	.0353
#2	-.4459	-3.607	.1439	1.016	2.712	-.0450
#3	-.6726	-1.469	.0655	1.600	2.697	-.4258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131896-F-14-A Acquired: 4/21/2017 16:34:06 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.503**	**-.0118**	**-.0672**	**33.24**
Stddev	.333	.1044	.1584	4.26
%RSD	22.16	882.3	235.7	12.83
#1	1.589	.0832	.1007	32.02
#2	1.135	-.1235	-.0884	37.98
#3	1.784	.0049	-.2139	29.71
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	**2770.4**	**29616.**	**7448.4**
Stddev	5.7	232.	149.8
%RSD	.20723	.78459	2.0108
#1	2777.0	29866.	7554.6
#2	2767.6	29575.	7513.5
#3	2766.6	29406.	7277.1

Sample Name: 460-131784-A-8-A@400 Acquired: 4/21/2017 16:38:07 Type: Unk
Method: xin_sw030317(v53) 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	**255.9**	**5.557**	**24.27**	**23.95**	**1.287**	**592.0**
Stddev	11.2	2.498	.41	.17	.057	8.0
%RSD	4.380	44.95	1.692	.7004	4.417	1.344
#1	265.1	2.792	23.95	23.78	1.295	592.8
#2	243.4	7.650	24.12	24.12	1.339	583.7
#3	259.3	6.230	24.73	23.94	1.227	599.5
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0539**	**.4716**	**2.244**	**214.7**	**1336.**	**-35.20**
Stddev	.1062	.1916	.165	2.3	29.	28.98
%RSD	197.2	40.63	7.344	1.074	2.136	82.31
#1	.1477	.3700	2.434	212.0	1303.	-8.861
#2	.0753	.6927	2.163	215.8	1351.	-30.51
#3	-.0614	.3522	2.135	216.2	1354.	-66.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-A-8-A@400 Acquired: 4/21/2017 16:38:07 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**259.1**	**34.68**	**-22.96**	**2.171**	**3701.**	**1461.**
Stddev	9.0	.19	7.70	.393	32.	10.
%RSD	3.471	.5601	33.51	18.09	.8770	.7023
#1	250.9	34.46	-16.53	1.797	3664.	1450.
#2	268.7	34.74	-20.87	2.581	3722.	1468.
#3	257.6	34.84	-31.49	2.136	3718.	1466.
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	**-.0591**	**-.9705**	**.8779**	**72.90**	**.0569**	**-.0443**
Stddev	1.807	.6724	.3597	.43	.0904	.1439
%RSD	3056.	69.28	40.97	.5943	158.8	324.8
#1	-.5685	-1.448	1.040	72.40	.1498	-.0322
#2	1.948	-1.262	1.128	73.11	-.0306	-.1939
#3	-1.557	-.2017	.4656	73.18	.0514	.0932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131784-A-8-A@400 Acquired: 4/21/2017 16:38:07 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F **6045.**	**3.034**	**13.15**	**29.62**
Stddev	2.	.007	6.12	8.93
%RSD	.0300	.2394	46.58	30.14
#1	6044.	3.026	20.21	25.40
#2	6044.	3.039	9.967	39.88
#3	6047.	3.037	9.267	23.59
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2000.			
Low Limit	-50.00			

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	**2778.7**	**29546.**	**7402.1**
Stddev	4.1	76.	13.5
%RSD	.14591	.25751	.18230
#1	2774.1	29608.	7416.4
#2	2781.7	29461.	7389.6
#3	2780.2	29569.	7400.3

Sample Name: CCV Acquired: 4/21/2017 16:46:05 Type: QC
Method: xin_sw030317(v53) 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	**130100.**	**2540.**	**1295.**	**10480.**	**1011.**	**128200.**
Stddev	523.	3.	4.	22.	2.	453.
%RSD	.4023	.0996	.2968	.2114	.2165	.3530
#1	129600.	2538.	1292.	10460.	1008.	127700.
#2	130000.	2540.	1294.	10490.	1011.	128500.
#3	130700.	2543.	1299.	10500.	1012.	128500.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1295.**	**2552.**	**5268.**	**12660.**	**107300.**	**49770.**
Stddev	3.	4.	20.	12.	388.	150.
%RSD	.2369	.1398	.3853	.0938	.3612	.3010
#1	1292.	2548.	5245.	12660.	106900.	49620.
#2	1296.	2555.	5276.	12670.	107300.	49780.
#3	1298.	2552.	5284.	12640.	107700.	49920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 16:46:05 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**129700.**	**5110.**	**128500.**	**2625.**	**7870.**	**991.3**
Stddev	518.	11.	532.	8.	21.	1.9
%RSD	.3991	.2242	.4138	.2935	.2720	.1895
#1	129200.	5098.	128100.	2617.	7850.	992.1
#2	129800.	5121.	128300.	2629.	7868.	992.7
#3	130200.	5110.	129100.	2631.	7893.	989.2
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	**2558.**	**2705.**	**2552.**	**2733.**	**1034.**	**2575.**
Stddev	6.	4.	7.	11.	3.	4.
%RSD	.2164	.1593	.2579	.4011	.2509	.1660
#1	2556.	2701.	2545.	2721.	1031.	2571.
#2	2553.	2705.	2557.	2735.	1034.	2577.
#3	2564.	2709.	2555.	2743.	1036.	2579.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 16:46:05 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1043.**	**4999.**	**10760.**	**9688.**
Stddev	2.	15.	38.	24.
%RSD	.1631	.3088	.3489	.2472
#1	1042.	4995.	10730.	9716.
#2	1042.	4987.	10750.	9672.
#3	1045.	5017.	10800.	9677.
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	**2564.1**	**27467.**	**7217.9**
Stddev	4.8	208.	65.5
%RSD	.18887	.75752	.90693
#1	2568.6	27699.	7288.6
#2	2564.7	27297.	7205.7
#3	2559.0	27404.	7159.4

Sample Name: CCB Acquired: 4/21/2017 16:49:41 Type: QC
Method: xin_sw030317(v53) 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	**8.891**	**1.447**	**-.4912**	**.0670**	**.1728**	**-14.18**
Stddev	1.213	1.554	.1300	.1128	.0572	4.48
%RSD	13.65	107.4	26.47	168.4	33.11	31.60
#1	10.03	2.483	-.5515	.1104	.1924	-10.51
#2	7.615	-.3393	-.5801	.1516	.2176	-12.86
#3	9.028	2.198	-.3420	-.0611	.1083	-19.18
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0682**	**.2049**	**.2963**	**-.5394**	**11.08**	**-53.22**
Stddev	.0575	.1595	.2800	.0871	13.17	33.51
%RSD	84.37	77.86	94.49	16.14	118.8	62.98
#1	-.1321	.3841	.3834	-.4896	13.56	-67.84
#2	-.0205	.0785	-.0169	-.6400	22.84	-76.93
#3	-.0521	.1520	.5225	-.4887	-3.148	-14.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 16:49:41 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-2.465**	**.0000**	**-19.06**	**-.6731**	**-.5457**	**.2865**
Stddev	2.315	.1740	5.91	.4456	.0209	.9941
%RSD	93.93	1063000.	31.01	66.20	3.822	347.0
#1	-2.016	.1590	-12.30	-.2966	-.5224	1.286
#2	-.4069	-.1859	-21.63	-.5576	-.5625	.2749
#3	-4.972	.0270	-23.24	-1.165	-.5522	-.7017
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	**-.0912**	**-.4879**	**.1524**	**-.2964**	**1.325**	**1.014**
Stddev	1.628	1.652	.3357	.0291	.647	.384
%RSD	1786.	338.6	220.2	9.814	48.81	37.86
#1	-1.281	-2.394	-.2073	-.3291	2.043	1.448
#2	-.7561	.5316	.2072	-.2734	1.144	.8759
#3	1.764	.3985	.4573	-.2867	.7881	.7185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 16:49:41 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.441**	**.1105**	**.6150**	**13.16**
Stddev	.132	.0291	.4410	11.69
%RSD	5.400	26.33	71.71	88.88
#1	2.447	.1429	1.124	26.30
#2	2.571	.0864	.3713	3.920
#3	2.307	.1023	.3496	9.245
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	**2756.1**	**29470.**	**7351.5**
Stddev	15.8	240.	77.0
%RSD	.57325	.81316	1.0468
#1	2740.5	29220.	7296.9
#2	2772.1	29698.	7318.0
#3	2755.5	29493.	7439.5

Sample Name: CCVL Acquired: 4/21/2017 16:53:42 Type: QC
Method: xin_sw030317(v53) 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	**225.7**	**16.57**	**10.29**	**220.3**	**2.212**	**5257.**
Stddev	16.9	.23	.68	.7	.032	38.
%RSD	7.490	1.391	6.578	.3114	1.450	.7256
#1	208.6	16.77	9.766	220.4	2.249	5265.
#2	226.2	16.63	10.05	220.9	2.194	5290.
#3	242.4	16.32	11.05	219.5	2.193	5215.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.204**	**55.33**	**10.92**	**25.51**	**186.6**	**5004.**
Stddev	.061	.28	.80	.17	4.6	27.
%RSD	1.449	.5061	7.335	.6800	2.485	.5347
#1	4.136	55.08	11.81	25.57	184.1	4980.
#2	4.254	55.64	10.26	25.32	191.9	4998.
#3	4.222	55.28	10.69	25.65	183.7	5033.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 16:53:42 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5221.**	**16.37**	**5064.**	**44.84**	**10.55**	**22.05**
Stddev	28.	.02	10.	.63	.39	.64
%RSD	.5438	.1228	.1977	1.406	3.736	2.895
#1	5190.	16.36	5072.	44.12	10.67	22.69
#2	5245.	16.39	5069.	45.09	10.87	21.42
#3	5228.	16.35	5053.	45.30	10.11	22.03
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	**19.66**	**24.26**	**53.88**	**34.91**	**52.45**	**21.73**
Stddev	1.46	.97	.41	.16	.58	.29
%RSD	7.417	4.010	.7650	.4696	1.108	1.321
#1	18.13	25.11	53.48	34.83	52.04	21.48
#2	19.83	24.47	54.30	34.81	52.20	22.04
#3	21.03	23.20	53.87	35.10	53.12	21.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 16:53:42 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**59.29**	**21.09**	**23.40**	F **16.39**
Stddev	1.13	.15	.26	16.55
%RSD	1.911	.7140	1.090	101.0
#1	58.18	20.92	23.24	-.8822
#2	59.25	21.12	23.69	32.11
#3	60.45	21.22	23.26	17.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2772.7**	**29440.**	**7422.0**
Stddev	11.4	306.	95.0
%RSD	.40960	1.0406	1.2796
#1	2759.9	29289.	7428.0
#2	2781.4	29238.	7324.1
#3	2776.8	29792.	7513.8

Sample Name: 460-131457-F-7-C@4 Acquired: 4/21/2017 16:57:42 Type: Unk
Method: xin_sw030317(v53) 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	**54070.**	F **12.71**	F **-.5696**	F **254.0**	F **2.981**	F **7922.**
Stddev	124.	1.81	.7076	.5	.030	32.
%RSD	.2289	14.22	124.2	.2151	1.013	.3984
#1	54010.	13.71	.2391	254.6	2.951	7894.
#2	53990.	13.80	-1.075	253.5	2.980	7956.
#3	54210.	10.62	-.8730	254.0	3.011	7915.
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		356.0	339.5	650.0	395.5	37950.
Low Limit		214.0	202.5	453.0	279.5	26500.

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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F **-1.504**	F **32.65**	F **82.14**	F **61.70**	**86450.**	F **4907.**
Stddev	.087	.25	.73	.48	348.	37.
%RSD	5.785	.7799	.8877	.7780	.4024	.7608
#1	-1.528	32.37	81.30	61.15	86170.	4946.
#2	-1.576	32.72	82.57	62.01	86840.	4871.
#3	-1.407	32.87	82.55	61.94	86350.	4905.
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail
High Limit	456.0	342.0	393.5	337.5		15850.
Low Limit	322.0	246.5	257.0	227.0		8400.

Sample Name: 460-131457-F-7-C@4 Acquired: 4/21/2017 16:57:42 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**14350.**	F **2863.**	F **1808.**	F **70.82**	F **96.77**	F **1.697**
Stddev	69.	11.	5.	.42	.62	1.377
%RSD	.4829	.3823	.2576	.5970	.6443	81.13
#1	14290.	2852.	1813.	70.33	96.27	.2639
#2	14420.	2873.	1804.	71.11	97.47	3.009
#3	14340.	2865.	1807.	71.01	96.56	1.817
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit		1620.	5850.	360.0	505.0	870.0
Low Limit		1105.	3270.	253.0	351.0	9.550

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	F **5.316**	F **-5.085**	F **98.04**	F **201.1**	F **21.50**	F **2.519**
Stddev	2.758	1.275	.50	.5	.37	.199
%RSD	51.88	25.07	.5071	.2440	1.718	7.912
#1	8.360	-6.554	97.56	200.6	21.13	2.715
#2	4.606	-4.431	98.55	201.5	21.51	2.317
#3	2.982	-4.271	98.01	201.3	21.86	2.525
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	483.0	1070.	346.0	1160.	520.0	343.0
Low Limit	306.0	705.0	217.0	815.0	300.5	221.0

Sample Name: 460-131457-F-7-C@4 Acquired: 4/21/2017 16:57:42 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	F **9.497**	F **60.61**	**1107.**	**1977.**
Stddev	1.625	.10	3.	6.
%RSD	17.11	.1727	.2437	.2950
#1	7.624	60.51	1106.	1971.
#2	10.53	60.60	1110.	1978.
#3	10.33	60.72	1105.	1982.
Check ?	Chk Fail	Chk Fail	Chk Pass	None
High Limit	970.0	540.0		
Low Limit	605.0	364.5		

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	**2921.2**	**30991.**	**7969.1**
Stddev	13.4	239.	79.6
%RSD	.45931	.76981	.99900
#1	2908.6	30883.	7903.2
#2	2919.6	30825.	7946.6
#3	2935.3	31264.	8057.6

Sample Name: CCV Acquired: 4/21/2017 17:20:12 Type: QC
Method: xin_sw030317(v53) 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	**127500.**	**2521.**	**1275.**	**10310.**	**993.5**	**124700.**
Stddev	480.	6.	4.	23.	2.4	404.
%RSD	.3769	.2556	.2936	.2183	.2451	.3242
#1	127000.	2527.	1271.	10330.	990.7	124700.
#2	127400.	2514.	1279.	10330.	994.8	125100.
#3	127900.	2521.	1276.	10290.	994.9	124300.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1273.**	**2519.**	**5151.**	**12650.**	**104700.**	**48900.**
Stddev	2.	3.	14.	25.	292.	58.
%RSD	.1602	.1148	.2646	.2003	.2791	.1184
#1	1275.	2522.	5140.	12620.	104500.	48850.
#2	1273.	2519.	5166.	12670.	105100.	48880.
#3	1271.	2517.	5148.	12650.	104600.	48960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 17:20:12 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**126700.**	**5011.**	**126100.**	**2585.**	**7711.**	**993.7**
Stddev	350.	16.	241.	4.	17.	5.0
%RSD	.2763	.3161	.1909	.1389	.2234	.5069
#1	126600.	5013.	125800.	2586.	7724.	991.7
#2	127100.	5026.	126300.	2588.	7717.	990.1
#3	126500.	4995.	126200.	2581.	7691.	999.5
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	**2553.**	**2623.**	**2520.**	**2642.**	**1032.**	**2546.**
Stddev	12.	7.	1.	7.	1.	3.
%RSD	.4516	.2791	.0221	.2713	.0806	.1198
#1	2563.	2622.	2520.	2648.	1033.	2545.
#2	2556.	2631.	2520.	2644.	1033.	2549.
#3	2540.	2616.	2519.	2634.	1031.	2543.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 17:20:12 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1024.**	**4948.**	**10600.**	**9754.**
Stddev	3.	6.	37.	73.
%RSD	.3003	.1260	.3535	.7505
#1	1026.	4941.	10570.	9780.
#2	1024.	4949.	10640.	9671.
#3	1020.	4953.	10600.	9810.
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	**2610.9**	**28129.**	**7546.6**
Stddev	6.4	66.	39.8
%RSD	.24498	.23290	.52786
#1	2604.6	28071.	7559.0
#2	2610.8	28117.	7502.0
#3	2617.4	28200.	7578.7

Sample Name: 460-131389-F-1-K@4 Acquired: 4/21/2017 17:39:20 Type: Unk
Method: xin_sw030317(v53) 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	**19880.**	**10.50**	**-.2827**	**131.8**	**1.796**	**2461.**
Stddev	75.	2.04	.1394	.1	.092	11.
%RSD	.3761	19.44	49.30	.0896	5.108	.4518
#1	19900.	9.293	-.2244	131.7	1.827	2448.
#2	19940.	9.343	-.4418	131.9	1.868	2470.
#3	19790.	12.85	-.1820	131.8	1.692	2464.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8664**	**11.27**	**45.21**	**17.79**	**43940.**	**2289.**
Stddev	.0666	.29	.42	.24	177.	26.
%RSD	7.684	2.540	.9383	1.345	.4036	1.144
#1	-.8368	11.58	44.97	17.67	43770.	2309.
#2	-.9426	11.22	44.96	17.63	43910.	2259.
#3	-.8198	11.01	45.70	18.06	44130.	2298.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131389-F-1-K@4 Acquired: 4/21/2017 17:39:20 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3975.**	**441.2**	**179.0**	**28.21**	**35.01**	**1.300**
Stddev	41.	1.4	3.7	.14	.15	1.152
%RSD	1.026	.3173	2.054	.5137	.4207	88.60
#1	3951.	440.0	176.3	28.14	34.90	2.033
#2	3951.	440.9	177.6	28.12	35.17	-.0276
#3	4022.	442.8	183.2	28.38	34.95	1.895
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	**3.148**	**-3.677**	**46.69**	**97.82**	**12.71**	**2.459**
Stddev	1.805	1.024	.84	.47	.32	.189
%RSD	57.33	27.86	1.798	.4794	2.525	7.688
#1	4.944	-2.605	46.63	97.42	13.08	2.295
#2	3.167	-3.780	45.88	97.70	12.48	2.417
#3	1.334	-4.646	47.55	98.33	12.58	2.666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131389-F-1-K@4 Acquired: 4/21/2017 17:39:20 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.470**	**23.63**	**282.3**	**1960.**
Stddev	.373	.19	.6	28.
%RSD	4.405	.8231	.2293	1.448
#1	8.558	23.54	282.9	1953.
#2	8.790	23.86	281.7	1992.
#3	8.060	23.50	282.2	1936.
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	**2792.9**	**30048.**	**7712.9**
Stddev	3.2	57.	21.3
%RSD	.11351	.19004	.27556
#1	2791.2	30098.	7721.8
#2	2796.5	30061.	7688.6
#3	2790.9	29986.	7728.2

Sample Name: CCB Acquired: 4/21/2017 17:23:46 Type: QC
Method: xin_sw030317(v53) 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	**4.940**	**.3319**	**-.3849**	**.0534**	**.0870**	**-10.80**
Stddev	6.494	.7937	.5125	.1168	.0567	2.17
%RSD	131.5	239.2	133.1	218.8	65.17	20.09
#1	1.538	.9842	-.3469	.1650	.1478	-11.34
#2	.8530	.5633	.1075	-.0680	.0775	-12.65
#3	12.43	-.5518	-.9153	.0632	.0356	-8.411
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0968**	**.0061**	**.1725**	**-.3424**	**13.07**	**-5.919**
Stddev	.0325	.1881	.0157	.5229	5.55	9.791
%RSD	33.59	3075.	9.100	152.7	42.46	165.4
#1	-.1343	.0543	.1767	.2613	19.13	5.298
#2	-.0795	-.2014	.1552	-.6488	8.236	-12.75
#3	-.0766	.1654	.1857	-.6397	11.85	-10.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 17:23:46 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-.6383**	**.1567**	**-19.33**	**-.6139**	**-.9462**	**.5009**
Stddev	3.348	.1227	4.85	.3533	1.820	1.687
%RSD	524.6	78.33	25.08	57.54	192.4	336.8
#1	2.103	.2370	-24.01	-.5982	.7796	2.374
#2	.3518	.2176	-14.33	-.2687	-2.848	.0290
#3	-4.370	.0154	-19.66	-.9747	-.7701	-.9000
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	**-.5729**	**-1.176**	**.2049**	**-.3111**	**2.225**	**1.260**
Stddev	1.759	3.079	.2465	.2386	.774	.439
%RSD	307.1	261.7	120.3	76.68	34.81	34.85
#1	1.085	2.244	.0768	-.1446	3.117	1.762
#2	-.3841	-3.727	.0488	-.5844	1.725	1.068
#3	-2.419	-2.046	.4891	-.2043	1.833	.9489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 17:23:46 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.314**	**.1314**	**.7267**	**16.05**
Stddev	.123	.0481	.1679	12.72
%RSD	9.379	36.57	23.10	79.28
#1	1.258	.1322	.9137	26.23
#2	1.230	.0830	.6778	20.13
#3	1.456	.1792	.5888	1.783
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	**2760.7**	**29694.**	**7545.1**
Stddev	9.7	112.	13.1
%RSD	.34985	.37624	.17365
#1	2771.9	29668.	7558.4
#2	2755.2	29598.	7544.9
#3	2755.1	29816.	7532.2

Sample Name: CCVL Acquired: 4/21/2017 17:27:48 Type: QC
Method: xin_sw030317(v53) 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	**239.2**	**16.55**	**10.38**	**224.5**	**2.325**	**5280.**
Stddev	7.7	1.09	.44	.8	.107	29.
%RSD	3.233	6.569	4.264	.3352	4.596	.5413
#1	239.0	15.64	10.02	225.2	2.224	5258.
#2	231.6	16.27	10.25	223.7	2.436	5268.
#3	247.1	17.76	10.87	224.4	2.313	5312.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.429**	**56.44**	**11.31**	**26.26**	**175.7**	**5069.**
Stddev	.044	.24	.46	.20	22.1	79.
%RSD	.9973	.4283	4.080	.7433	12.56	1.561
#1	4.388	56.24	11.23	26.11	198.8	4978.
#2	4.476	56.71	10.90	26.19	173.5	5111.
#3	4.421	56.38	11.81	26.48	154.9	5118.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 17:27:48 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5280.**	**16.57**	**5122.**	**45.86**	**10.77**	**22.62**
Stddev	22.	.03	15.	.34	.91	1.09
%RSD	.4181	.2048	.3012	.7378	8.427	4.815
#1	5269.	16.55	5104.	45.66	9.815	21.37
#2	5266.	16.55	5126.	45.67	10.89	23.12
#3	5306.	16.61	5134.	46.25	11.62	23.37
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	**19.56**	**21.10**	**54.27**	**35.13**	**54.08**	**22.22**
Stddev	2.15	1.20	.05	.39	.34	.24
%RSD	10.99	5.678	.0857	1.117	.6265	1.063
#1	21.74	19.73	54.22	34.93	54.14	22.49
#2	17.44	21.68	54.30	34.88	54.38	22.10
#3	19.52	21.91	54.29	35.59	53.71	22.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 17:27:48 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**59.28**	**21.38**	**24.11**	F **19.30**
Stddev	1.02	.15	.30	9.83
%RSD	1.727	.7023	1.260	50.94
#1	59.10	21.22	24.10	27.57
#2	58.37	21.52	23.81	21.90
#3	60.39	21.40	24.42	8.428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2748.5**	**29556.**	**7575.4**
Stddev	6.5	159.	81.3
%RSD	.23551	.53655	1.0734
#1	2743.7	29732.	7666.9
#2	2745.9	29511.	7547.8
#3	2755.8	29425.	7511.4

Sample Name: LCSSRM 460-432022/2- Acquired: 4/21/2017 17:31:46 Type: Unk
Method: xin_sw030317(v53) 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	**30840.**	**277.9**	**268.3**	**544.0**	**329.6**	**30800.**
Stddev	29.	3.4	1.5	.9	.8	180.
%RSD	.0926	1.215	.5623	.1644	.2469	.5845
#1	30810.	275.2	266.6	543.4	329.2	30600.
#2	30840.	281.7	269.0	543.5	328.9	30940.
#3	30870.	276.7	269.4	545.0	330.5	30880.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**386.8**	**309.4**	**333.7**	**278.2**	**77160.**	**10490.**
Stddev	.7	1.1	2.8	1.7	385.	24.
%RSD	.1700	.3658	.8242	.5979	.4992	.2326
#1	386.2	309.0	330.7	276.3	76720.	10480.
#2	386.7	308.6	334.4	278.6	77450.	10460.
#3	387.5	310.7	336.1	279.6	77310.	10510.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-432022/2- Acquired: 4/21/2017 17:31:46 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**11990.**	**1325.**	**4318.**	**327.6**	**409.2**	**740.2**
Stddev	77.	7.	9.	1.3	.0	5.6
%RSD	.6411	.5430	.2093	.3867	.0055	.7504
#1	11900.	1317.	4326.	326.1	409.3	733.9
#2	12060.	1330.	4308.	328.4	409.2	742.3
#3	12000.	1328.	4320.	328.2	409.2	744.4
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	**399.9**	**960.0**	**286.4**	**1058.**	**419.0**	**310.2**
Stddev	6.3	5.5	2.1	1.	4.8	2.1
%RSD	1.588	.5726	.7497	.1094	1.138	.6675
#1	398.1	953.7	284.1	1059.	413.5	308.0
#2	407.0	963.2	286.6	1058.	422.1	310.4
#3	394.6	963.2	288.4	1057.	421.5	312.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-432022/2- Acquired: 4/21/2017 17:31:46 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**845.1**	**418.9**	**1482.**	**2115.**
Stddev	8.5	.8	7.	7.
%RSD	1.007	.1985	.4796	.3328
#1	835.3	419.6	1474.	2115.
#2	849.5	418.0	1487.	2122.
#3	850.5	419.0	1486.	2108.
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	**2826.5**	**30509.**	**7937.3**
Stddev	17.1	159.	15.5
%RSD	.60516	.52064	.19583
#1	2808.5	30564.	7925.0
#2	2828.4	30330.	7954.8
#3	2842.6	30633.	7932.0

Sample Name: 460-131389-F-1-L DU Acquired: 4/21/2017 17:35:25 Type: Unk
Method: xin_sw030317(v53) 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	**19950.**	**10.33**	**-.3325**	**132.5**	**1.742**	**2476.**
Stddev	83.	.55	.2676	.0	.057	7.
%RSD	.4166	5.334	80.47	.0079	3.290	.2853
#1	19860.	9.784	-.5870	132.5	1.792	2484.
#2	20010.	10.33	-.3569	132.5	1.679	2475.
#3	19990.	10.89	-.0536	132.5	1.755	2470.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8554**	**11.03**	**45.26**	**17.93**	**44120.**	**2282.**
Stddev	.0402	.08	.17	.16	69.	17.
%RSD	4.700	.7048	.3732	.8837	.1560	.7523
#1	-.8417	10.94	45.11	17.83	44170.	2266.
#2	-.8238	11.06	45.44	18.12	44040.	2300.
#3	-.9007	11.09	45.21	17.86	44140.	2280.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131389-F-1-L DU Acquired: 4/21/2017 17:35:25 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3978.**	**443.9**	**179.8**	**27.94**	**36.94**	**1.865**
Stddev	11.	1.8	3.0	.50	1.73	1.740
%RSD	.2735	.4123	1.658	1.803	4.681	93.32
#1	3976.	446.0	176.7	27.51	36.65	1.138
#2	3969.	442.7	180.1	27.81	38.80	.6061
#3	3990.	443.0	182.7	28.49	35.38	3.851
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	**6.377**	**-4.248**	**47.33**	**98.57**	**13.48**	**2.548**
Stddev	3.630	1.001	.43	.34	.12	.092
%RSD	56.91	23.58	.9153	.3480	.8749	3.627
#1	9.201	-4.248	47.72	98.44	13.53	2.650
#2	2.283	-3.246	46.86	98.31	13.58	2.471
#3	7.648	-5.249	47.40	98.96	13.35	2.522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131389-F-1-L DU Acquired: 4/21/2017 17:35:25 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.861**	**23.71**	**283.4**	**1961.**
Stddev	.319	.09	1.5	28.
%RSD	4.063	.3966	.5171	1.412
#1	8.220	23.77	284.9	1930.
#2	7.609	23.60	281.9	1968.
#3	7.755	23.76	283.4	1984.
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	**2777.7**	**29938.**	**7675.5**
Stddev	8.2	180.	53.4
%RSD	.29409	.60093	.69526
#1	2768.5	29741.	7618.4
#2	2783.9	30094.	7684.1
#3	2780.7	29978.	7724.1

Sample Name: sd 460-131389-F-1-K Acquired: 4/21/2017 17:43:14 Type: Unk
Method: xin_sw030317(v53) 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	**3850.**	**2.504**	**-.9252**	**25.68**	**.4642**	**481.7**
Stddev	20.	.624	.4326	.10	.0160	7.5
%RSD	.5191	24.91	46.76	.3852	3.443	1.565
#1	3827.	3.123	-.4269	25.58	.4812	473.1
#2	3858.	1.876	-1.143	25.68	.4495	486.8
#3	3865.	2.511	-1.205	25.77	.4618	485.3
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2686**	**2.204**	**8.863**	**3.346**	**8865.**	**425.6**
Stddev	.1552	.073	.529	.224	32.	34.1
%RSD	57.77	3.336	5.964	6.692	.3663	8.017
#1	-.1884	2.289	9.358	3.112	8848.	399.9
#2	-.4475	2.163	8.924	3.369	8845.	464.3
#3	-.1699	2.160	8.306	3.558	8903.	412.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-131389-F-1-K Acquired: 4/21/2017 17:43:14 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**782.3**	**88.71**	**7.695**	**4.987**	**5.077**	**.1766**
Stddev	7.0	.38	2.404	.117	.816	.7923
%RSD	.8994	.4248	31.24	2.353	16.07	448.6
#1	785.7	88.67	4.928	4.976	5.465	-.6507
#2	774.2	88.35	9.271	4.875	4.139	.9283
#3	787.0	89.10	8.887	5.109	5.626	.2523
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	**-1.436**	**-1.645**	**9.389**	**19.65**	**2.771**	**.6276**
Stddev	2.384	1.490	.659	.24	.391	.1741
%RSD	166.1	90.54	7.021	1.217	14.11	27.74
#1	1.174	-2.969	9.087	19.49	2.873	.4816
#2	-1.981	-1.935	8.935	19.53	3.100	.8203
#3	-3.500	-.0321	10.15	19.92	2.339	.5809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-131389-F-1-K Acquired: 4/21/2017 17:43:14 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.403**	**4.546**	**55.97**	**397.1**
Stddev	.957	.112	.65	23.5
%RSD	39.84	2.468	1.153	5.931
#1	3.425	4.523	55.32	415.7
#2	1.527	4.447	56.61	405.0
#3	2.256	4.668	55.99	370.6
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	**2776.0**	**29682.**	**7636.6**
Stddev	1.0	106.	62.4
%RSD	.03742	.35837	.81729
#1	2775.8	29773.	7702.2
#2	2775.1	29565.	7629.6
#3	2777.2	29708.	7577.9

Sample Name: 460-131570-E-3-C@4 Acquired: 4/21/2017 18:25:28 Type: Unk
Method: xin_sw030317(v53) 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	**12480.**	**110.8**	**-.0843**	**63.83**	**2.075**	**758.8**
Stddev	24.	1.6	.3943	.23	.048	4.5
%RSD	.1943	1.434	467.9	.3544	2.302	.5945
#1	12480.	112.7	-.5389	63.64	2.063	758.5
#2	12500.	109.9	.1645	63.77	2.128	754.4
#3	12450.	110.0	.1215	64.08	2.035	763.5
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.241**	**7.915**	**102.8**	**18.05**	**88230.**	**3733.**
Stddev	.133	.267	.5	.21	316.	9.
%RSD	10.69	3.370	.4568	1.180	.3583	.2295
#1	-1.145	7.809	102.3	17.93	87880.	3743.
#2	-1.393	7.718	103.2	18.29	88340.	3727.
#3	-1.187	8.219	102.8	17.92	88480.	3729.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131570-E-3-C@4 Acquired: 4/21/2017 18:25:28 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2269.**	**129.9**	**30.75**	**15.57**	**96.19**	**2.643**
Stddev	7.	.7	4.39	.28	1.56	1.130
%RSD	.3290	.5079	14.28	1.813	1.626	42.77
#1	2260.	129.4	30.59	15.36	95.12	3.818
#2	2274.	129.8	35.22	15.47	95.47	2.548
#3	2271.	130.7	26.44	15.89	97.98	1.563
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	**3.633**	**-7.262**	**170.2**	**184.1**	**25.62**	**2.948**
Stddev	.831	1.688	.5	2.7	.58	.153
%RSD	22.88	23.24	.2876	1.440	2.277	5.200
#1	4.106	-5.821	169.7	181.2	25.41	3.002
#2	2.673	-6.846	170.3	184.8	25.18	3.066
#3	4.120	-9.119	170.6	186.3	26.28	2.774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131570-E-3-C@4 Acquired: 4/21/2017 18:25:28 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.413**	**8.893**	**213.8**	**1943.**
Stddev	.409	.074	3.4	24.
%RSD	4.862	.8382	1.598	1.226
#1	8.684	8.857	210.0	1921.
#2	8.613	8.843	216.6	1968.
#3	7.943	8.979	214.9	1940.
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	**2741.3**	**29593.**	**7639.2**
Stddev	10.0	95.	76.3
%RSD	.36554	.32268	.99890
#1	2742.8	29630.	7713.2
#2	2730.6	29664.	7643.5
#3	2750.5	29485.	7560.8

Sample Name: 460-131572-E-2-E@4 Acquired: 4/21/2017 18:37:00 Type: Unk
Method: xin_sw030317(v53) 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	**16520.**	**6.764**	**-.0354**	**83.57**	**1.032**	**1731.**
Stddev	55.	1.775	.1416	.18	.060	9.
%RSD	.3343	26.24	400.4	.2160	5.802	.4934
#1	16580.	5.305	-.1803	83.60	1.091	1740.
#2	16500.	8.740	.1028	83.73	.9715	1729.
#3	16470.	6.248	-.0286	83.37	1.033	1723.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7447**	**15.11**	**26.82**	**16.63**	**38310.**	**1563.**
Stddev	.0934	.14	.07	.49	67.	20.
%RSD	12.55	.9458	.2652	2.934	.1756	1.247
#1	-.7084	15.27	26.74	16.37	38250.	1583.
#2	-.6748	15.05	26.87	17.19	38310.	1544.
#3	-.8508	15.00	26.84	16.32	38380.	1563.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131572-E-2-E@4 Acquired: 4/21/2017 18:37:00 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5143.**	**1083.**	**445.5**	**26.96**	**2.918**	**.5211**
Stddev	20.	2.	15.1	.43	.909	.9070
%RSD	.3892	.2127	3.390	1.613	31.17	174.1
#1	5128.	1081.	459.9	26.87	2.384	.4978
#2	5135.	1084.	446.8	26.58	2.402	1.440
#3	5166.	1085.	429.8	27.44	3.968	-.3740
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	**1.704**	**-2.963**	**41.17**	**67.83**	**8.097**	**1.128**
Stddev	2.221	1.335	.37	.18	.183	.149
%RSD	130.4	45.06	.8934	.2651	2.266	13.24
#1	3.646	-2.459	40.77	67.63	8.283	1.040
#2	2.183	-1.953	41.26	67.88	7.916	1.043
#3	-.7178	-4.477	41.49	67.97	8.092	1.300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131572-E-2-E@4 Acquired: 4/21/2017 18:37:00 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**5.206**	**16.39**	**629.2**	**1628.**
Stddev	.656	.08	2.1	34.
%RSD	12.60	.4649	.3275	2.114
#1	4.594	16.30	626.9	1632.
#2	5.898	16.42	630.5	1660.
#3	5.127	16.45	630.4	1592.
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	**2777.1**	**30076.**	**7740.2**
Stddev	7.0	76.	87.3
%RSD	.25381	.25406	1.1275
#1	2770.0	30017.	7645.8
#2	2777.2	30049.	7757.0
#3	2784.1	30162.	7818.0

Sample Name: 460-131389-F-1-M MS Acquired: 4/21/2017 17:47:12 Type: Unk
Method: xin_sw030317(v53) 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	**20900.**	**1038.**	**25.50**	**1232.**	**28.28**	**12400.**
Stddev	60.	2.	.41	2.	.17	31.
%RSD	.2854	.1523	1.613	.1698	.6164	.2505
#1	20940.	1040.	25.95	1231.	28.28	12360.
#2	20930.	1037.	25.16	1230.	28.45	12420.
#3	20830.	1038.	25.38	1234.	28.10	12420.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26.26**	**284.9**	**153.3**	**149.5**	**43120.**	**12290.**
Stddev	.06	.5	1.8	.8	27.	19.
%RSD	.2381	.1763	1.204	.5025	.0631	.1581
#1	26.27	285.2	151.4	148.7	43090.	12310.
#2	26.20	284.3	153.5	149.7	43140.	12300.
#3	26.32	285.1	155.1	150.1	43140.	12270.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131389-F-1-M MS Acquired: 4/21/2017 17:47:12 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**14260.**	**682.5**	**10490.**	**309.3**	**302.7**	**247.8**
Stddev	17.	1.9	18.	1.2	1.2	.3
%RSD	.1163	.2778	.1706	.3955	.4036	.1240
#1	14250.	680.3	10500.	309.2	301.3	247.7
#2	14270.	683.7	10500.	308.1	303.6	248.2
#3	14280.	683.5	10470.	310.5	303.1	247.6
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	**1032.**	**1104.**	**315.1**	**387.2**	**270.6**	**270.9**
Stddev	2.	5.	1.4	.6	1.0	.5
%RSD	.1981	.4402	.4386	.1586	.3648	.1948
#1	1031.	1108.	313.5	386.6	269.7	270.3
#2	1031.	1099.	316.0	387.1	271.7	271.1
#3	1034.	1107.	315.7	387.8	270.5	271.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131389-F-1-M MS Acquired: 4/21/2017 17:47:12 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**279.5**	**279.9**	**601.3**	**2178.**
Stddev	.8	.3	.9	26.
%RSD	.2986	.1154	.1552	1.203
#1	279.3	279.8	600.8	2208.
#2	278.7	280.2	600.7	2163.
#3	280.4	279.6	602.4	2162.
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	**2754.3**	**29624.**	**7668.3**
Stddev	10.3	54.	20.7
%RSD	.37472	.18315	.27012
#1	2753.7	29619.	7690.0
#2	2764.9	29680.	7666.3
#3	2744.3	29572.	7648.7

Sample Name: pds 460-131389-F-1-K Acquired: 4/21/2017 17:50:55 Type: Unk
Method: xin_sw030317(v53) 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	**21600.**	**1993.**	**48.72**	**2245.**	**53.09**	**22150.**
Stddev	64.	4.	.57	1.	.12	67.
%RSD	.2966	.1941	1.168	.0486	.2225	.3043
#1	21540.	1998.	48.18	2244.	52.97	22190.
#2	21590.	1990.	49.31	2246.	53.09	22190.
#3	21670.	1992.	48.68	2244.	53.20	22070.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**50.85**	**532.0**	**256.6**	**270.2**	**43490.**	**21620.**
Stddev	.24	.2	1.5	1.5	120.	12.
%RSD	.4665	.0424	.5946	.5437	.2747	.0571
#1	50.95	531.9	256.7	271.0	43600.	21630.
#2	51.03	532.2	258.1	271.1	43510.	21610.
#3	50.58	531.9	255.0	268.5	43370.	21620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-131389-F-1-K Acquired: 4/21/2017 17:50:55 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**23550.**	**934.4**	**20200.**	**562.5**	**538.3**	**474.9**
Stddev	115.	2.1	21.	.5	1.7	3.6
%RSD	.4894	.2266	.1043	.0839	.3206	.7575
#1	23610.	936.8	20180.	563.1	537.7	472.7
#2	23610.	933.5	20210.	562.4	537.0	473.0
#3	23410.	932.8	20210.	562.1	540.3	479.1
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	**2005.**	**2158.**	**558.3**	**647.3**	**515.2**	**529.0**
Stddev	8.	9.	2.0	2.6	2.0	.5
%RSD	.3784	.4392	.3548	.4078	.3853	.0976
#1	2013.	2153.	560.1	645.0	512.9	528.5
#2	1998.	2151.	558.6	646.8	516.5	529.6
#3	2004.	2168.	556.2	650.2	516.1	529.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-131389-F-1-K Acquired: 4/21/2017 17:50:55 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**534.6**	**522.5**	**822.6**	**1939.**
Stddev	1.5	1.2	7.9	28.
%RSD	.2726	.2215	.9605	1.440
#1	532.9	521.3	829.6	1920.
#2	535.6	522.5	824.1	1925.
#3	535.3	523.6	814.0	1971.
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	**2756.2**	**29696.**	**7659.0**
Stddev	6.4	184.	41.9
%RSD	.23227	.61990	.54741
#1	2749.1	29543.	7638.6
#2	2761.6	29645.	7631.1
#3	2757.9	29900.	7707.2

Sample Name: 460-131356-G-17-B@4 Acquired: 4/21/2017 17:54:34 Type: Unk
Method: xin_sw030317(v53) 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	**43600.**	**31.27**	**2.449**	**354.9**	**3.042**	**44580.**
Stddev	144.	1.29	.325	.8	.015	125.
%RSD	.3304	4.120	13.27	.2342	.4911	.2807
#1	43440.	31.72	2.373	355.9	3.057	44500.
#2	43620.	29.81	2.805	354.3	3.042	44510.
#3	43730.	32.26	2.168	354.6	3.028	44720.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4395**	**35.75**	**67.89**	**473.0**	F **205200.**	**2561.**
Stddev	.2910	.38	.14	.9	298.	18.
%RSD	66.21	1.067	.2016	.1863	.1453	.7022
#1	-.1837	35.98	67.88	473.7	204900.	2580.
#2	-.3787	35.31	68.04	473.4	205200.	2558.
#3	-.7560	35.97	67.77	472.0	205500.	2545.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-131356-G-17-B@4 Acquired: 4/21/2017 17:54:34 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**16070.**	**7276.**	**2063.**	**93.08**	**763.1**	**7.540**
Stddev	47.	55.	7.	1.03	6.7	1.265
%RSD	.2946	.7572	.3433	1.105	.8750	16.77
#1	16030.	7247.	2055.	92.54	761.1	7.289
#2	16070.	7340.	2066.	92.44	757.7	8.911
#3	16120.	7242.	2068.	94.27	770.6	6.419
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	**11.65**	**-13.20**	**138.2**	**2604.**	**37.31**	**10.30**
Stddev	2.33	1.54	.6	10.	.46	.19
%RSD	20.02	11.68	.4619	.3828	1.242	1.881
#1	13.78	-13.60	137.6	2610.	37.77	10.29
#2	9.160	-11.50	138.0	2593.	37.32	10.12
#3	12.00	-14.51	138.9	2610.	36.84	10.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131356-G-17-B@4 Acquired: 4/21/2017 17:54:34 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**50.83**	**161.0**	**3105.**	**2391.**
Stddev	.31	.4	7.	9.
%RSD	.6029	.2543	.2391	.3642
#1	51.18	160.6	3099.	2394.
#2	50.70	161.0	3103.	2397.
#3	50.62	161.4	3113.	2381.
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	**2825.3**	**30463.**	**7942.7**
Stddev	11.8	106.	14.6
%RSD	.41934	.34898	.18433
#1	2814.0	30358.	7926.5
#2	2837.6	30570.	7946.6
#3	2824.2	30460.	7955.0

Sample Name: 460-131356-E-18-B@4 Acquired: 4/21/2017 17:58:28 Type: Unk
Method: xin_sw030317(v53) 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	**66780.**	**11.20**	**-.1165**	**427.9**	**3.510**	**28800.**
Stddev	1690.	1.14	.8121	9.3	.086	716.
%RSD	2.530	10.18	697.1	2.172	2.453	2.485
#1	65030.	12.22	-.7801	417.5	3.413	28050.
#2	66910.	9.971	-.3584	430.9	3.578	28880.
#3	68400.	11.41	.7891	435.4	3.538	29470.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3519**	**59.10**	**95.03**	**320.5**	**129600.**	**5008.**
Stddev	.0905	1.18	1.93	8.8	2924.	95.
%RSD	25.72	1.998	2.030	2.741	2.256	1.904
#1	.4528	58.08	93.02	311.2	126500.	4912.
#2	.2778	58.81	95.19	321.8	129900.	5009.
#3	.3253	60.39	96.87	328.6	132400.	5102.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131356-E-18-B@4 Acquired: 4/21/2017 17:58:28 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**33390.**	**1685.**	**2518.**	**125.7**	**717.6**	**3.871**
Stddev	786.	40.	56.	2.5	16.8	1.659
%RSD	2.354	2.387	2.228	2.017	2.334	42.86
#1	32570.	1643.	2456.	122.8	699.7	2.066
#2	33490.	1690.	2530.	126.5	720.1	5.330
#3	34130.	1723.	2567.	127.7	732.9	4.216
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	**4.069**	**-5.107**	**220.9**	**885.9**	**180.4**	**3.968**
Stddev	5.018	.443	6.1	20.8	5.2	.333
%RSD	123.3	8.671	2.759	2.348	2.875	8.400
#1	5.883	-5.495	214.2	863.8	174.9	4.198
#2	7.929	-4.625	222.6	888.6	181.3	4.119
#3	-1.604	-5.201	226.1	905.2	185.1	3.585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131356-E-18-B@4 Acquired: 4/21/2017 17:58:28 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**37.96**	**303.4**	**4105.**	**1972.**
Stddev	1.21	7.5	99.	40.
%RSD	3.178	2.478	2.413	2.014
#1	36.63	295.7	4000.	1930.
#2	38.26	303.7	4118.	1978.
#3	38.99	310.7	4196.	2009.
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	**2825.6**	**30326.**	**7899.8**
Stddev	.9	25.	60.2
%RSD	.03120	.08333	.76259
#1	2824.7	30298.	7925.7
#2	2826.4	30347.	7942.6
#3	2825.6	30332.	7830.9

Sample Name: 460-131476-E-4-B@4 Acquired: 4/21/2017 18:02:14 Type: Unk
Method: xin_sw030317(v53) 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	**23590.**	**26.61**	**-.6947**	**192.7**	**2.193**	**3363.**
Stddev	163.	.78	1.094	.4	.040	6.
%RSD	.6914	2.918	157.5	.1993	1.832	.1662
#1	23400.	26.47	-1.165	192.3	2.239	3370.
#2	23670.	27.44	-1.475	193.1	2.167	3359.
#3	23690.	25.91	.5556	192.7	2.172	3362.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9062**	**15.21**	**59.63**	**70.45**	**56540.**	**2975.**
Stddev	.1933	.42	.04	.56	158.	19.
%RSD	21.33	2.769	.0603	.7964	.2800	.6528
#1	-1.046	14.73	59.66	70.00	56640.	2974.
#2	-.6855	15.48	59.63	70.26	56360.	2994.
#3	-.9875	15.43	59.59	71.08	56630.	2955.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131476-E-4-B@4 Acquired: 4/21/2017 18:02:14 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4166.**	**387.1**	**123.1**	**31.41**	**172.0**	**2.088**
Stddev	20.	1.0	4.8	.42	.6	1.439
%RSD	.4763	.2690	3.866	1.336	.3486	68.94
#1	4160.	388.3	128.5	31.19	171.3	3.592
#2	4150.	386.4	119.7	31.89	172.3	.7228
#3	4188.	386.7	121.1	31.14	172.4	1.949
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	**1.945**	**-3.093**	**73.54**	**140.9**	**17.77**	**1.788**
Stddev	2.713	.253	.76	1.1	.47	.258
%RSD	139.5	8.192	1.034	.7506	2.641	14.41
#1	-1.055	-2.808	72.89	139.7	17.32	1.636
#2	4.227	-3.177	73.36	141.3	18.26	2.086
#3	2.663	-3.293	74.37	141.7	17.73	1.642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131476-E-4-B@4 Acquired: 4/21/2017 18:02:14 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11.79**	**38.04**	**357.0**	**2056.**
Stddev	.58	.13	2.1	5.
%RSD	4.916	.3427	.5951	.2396
#1	11.66	38.01	358.9	2061.
#2	12.42	38.18	354.7	2051.
#3	11.29	37.93	357.4	2057.
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	**2789.1**	**30086.**	**7783.7**
Stddev	6.7	119.	51.2
%RSD	.23993	.39532	.65740
#1	2786.6	29984.	7832.5
#2	2783.9	30217.	7730.4
#3	2796.6	30058.	7788.2

Sample Name: 460-131476-F-9-E@4 Acquired: 4/21/2017 18:06:07 Type: Unk
Method: xin_sw030317(v53) 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	**25230.**	**19.01**	**-.4428**	**214.4**	**2.595**	**2643.**
Stddev	81.	.65	.2597	1.0	.097	18.
%RSD	.3215	3.401	58.65	.4504	3.750	.6850
#1	25150.	19.40	-.6400	213.3	2.530	2644.
#2	25240.	18.26	-.1485	215.0	2.549	2625.
#3	25310.	19.37	-.5398	215.0	2.707	2661.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4880**	**22.20**	**56.82**	**39.44**	**46890.**	**2375.**
Stddev	.0390	.38	.59	.45	209.	40.
%RSD	7.986	1.693	1.039	1.134	.4464	1.691
#1	-.5127	21.77	57.17	38.95	47000.	2328.
#2	-.4431	22.38	56.14	39.83	46650.	2395.
#3	-.5083	22.45	57.14	39.54	47020.	2401.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131476-F-9-E@4 Acquired: 4/21/2017 18:06:07 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4034.**	**310.8**	**132.9**	**33.77**	**105.9**	**1.998**
Stddev	22.	1.5	2.7	.55	.4	1.198
%RSD	.5360	.4828	2.010	1.634	.4052	59.95
#1	4012.	311.0	131.4	33.22	106.3	3.351
#2	4036.	309.2	136.0	34.33	105.7	1.071
#3	4055.	312.2	131.4	33.76	105.5	1.573
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	**2.665**	**-4.760**	**63.85**	**175.9**	**14.25**	**1.824**
Stddev	1.802	1.349	.36	.7	.47	.124
%RSD	67.60	28.35	.5715	.4044	3.289	6.793
#1	1.304	-6.237	63.51	175.1	13.71	1.681
#2	1.983	-3.591	63.81	176.1	14.51	1.900
#3	4.709	-4.453	64.24	176.4	14.54	1.891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131476-F-9-E@4 Acquired: 4/21/2017 18:06:07 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.389**	**33.45**	**375.9**	**2152.**
Stddev	.177	.25	1.2	25.
%RSD	2.113	.7368	.3157	1.155
#1	8.190	33.20	375.4	2155.
#2	8.529	33.45	375.1	2175.
#3	8.448	33.69	377.3	2125.
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	**2801.2**	**30320.**	**7854.1**
Stddev	10.9	356.	68.6
%RSD	.38813	1.1735	.87375
#1	2790.8	29952.	7781.6
#2	2800.5	30662.	7918.1
#3	2812.5	30345.	7862.7

Sample Name: CCV Acquired: 4/21/2017 18:10:00 Type: QC
Method: xin_sw030317(v53) 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	**128500.**	**2533.**	**1288.**	**10370.**	**994.6**	**125600.**
Stddev	292.	8.	2.	33.	1.2	33.
%RSD	.2276	.3223	.1405	.3147	.1225	.0265
#1	128500.	2542.	1289.	10370.	995.4	125600.
#2	128200.	2526.	1288.	10340.	993.2	125600.
#3	128700.	2533.	1286.	10410.	995.3	125700.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1280.**	**2528.**	**5203.**	**12710.**	**106200.**	**48950.**
Stddev	3.	3.	6.	27.	157.	32.
%RSD	.2273	.1307	.1132	.2101	.1480	.0659
#1	1280.	2532.	5202.	12730.	106200.	48950.
#2	1276.	2525.	5209.	12720.	106300.	48980.
#3	1282.	2528.	5198.	12680.	106000.	48920.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 18:10:00 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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.**	**5033.**	**126700.**	**2604.**	**7773.**	**993.6**
Stddev	83.	4.	74.	8.	21.	5.4
%RSD	.0653	.0812	.0581	.3156	.2702	.5429
#1	128000.	5036.	126700.	2602.	7775.	999.5
#2	127900.	5028.	126700.	2597.	7751.	992.5
#3	127800.	5035.	126800.	2613.	7793.	988.9
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	**2562.**	**2641.**	**2537.**	**2675.**	**1037.**	**2560.**
Stddev	3.	7.	5.	14.	2.	5.
%RSD	.0996	.2541	.1891	.5234	.2245	.2089
#1	2565.	2636.	2532.	2673.	1039.	2558.
#2	2561.	2639.	2538.	2663.	1035.	2556.
#3	2560.	2649.	2541.	2690.	1038.	2566.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 18:10:00 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1028.**	**4947.**	**10720.**	**9823.**
Stddev	3.	5.	16.	54.
%RSD	.3216	.0959	.1485	.5457
#1	1030.	4947.	10730.	9873.
#2	1024.	4952.	10730.	9767.
#3	1031.	4943.	10710.	9828.
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	**2598.2**	**28016.**	**7581.7**
Stddev	12.6	71.	38.3
%RSD	.48479	.25385	.50550
#1	2601.2	28074.	7619.8
#2	2609.0	28038.	7582.0
#3	2584.3	27936.	7543.2

Sample Name: CCB Acquired: 4/21/2017 18:13:35 Type: QC
Method: xin_sw030317(v53) 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	**4.304**	**-.7275**	**-.5367**	**.0480**	**.0965**	**-21.05**
Stddev	6.731	1.044	.1527	.0502	.0136	2.00
%RSD	156.4	143.5	28.45	104.6	14.05	9.480
#1	8.508	-1.900	-.5387	.0994	.1090	-21.28
#2	7.863	.0999	-.3830	-.0009	.0821	-22.92
#3	-3.460	-.3823	-.6884	.0454	.0983	-18.95
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0672**	**.0332**	**.2362**	**-.4545**	**12.84**	**-28.04**
Stddev	.0831	.3027	.1686	.2999	10.73	23.92
%RSD	123.6	912.9	71.39	65.99	83.56	85.32
#1	-.1203	.1057	.3034	-.3345	15.61	-2.456
#2	-.1099	-.2992	.3607	-.2331	.9993	-31.81
#3	.0285	.2930	.0443	-.7958	21.92	-49.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 18:13:35 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-1.992**	**.1138**	**-26.48**	**-.3466**	**-2.427**	**1.362**
Stddev	5.277	.0419	7.64	.2511	.313	.901
%RSD	264.9	36.78	28.87	72.43	12.88	66.15
#1	4.049	.1599	-17.95	-.1035	-2.671	1.722
#2	-5.704	.0783	-28.78	-.6050	-2.075	2.028
#3	-4.322	.1032	-32.72	-.3313	-2.536	.3368
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	**-.3924**	**-1.282**	**.0775**	**-.2533**	**1.535**	**1.219**
Stddev	1.855	1.007	.1962	.2546	.516	.182
%RSD	472.7	78.52	253.0	100.5	33.64	14.93
#1	.3217	-.1367	.1137	-.4749	.9804	1.399
#2	.9991	-1.683	.2532	.0248	1.623	1.221
#3	-2.498	-2.026	-.1342	-.3097	2.002	1.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 18:13:35 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.831**	**.1243**	**.6853**	**3.279**
Stddev	.404	.0985	.2406	6.845
%RSD	22.06	79.26	35.10	208.7
#1	1.969	.2224	.9394	-3.766
#2	2.148	.1253	.6555	9.904
#3	1.376	.0253	.4610	3.700
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	**2750.5**	**29613.**	**7525.9**
Stddev	1.3	71.	32.9
%RSD	.04727	.24072	.43730
#1	2749.5	29670.	7493.8
#2	2752.0	29533.	7559.6
#3	2749.9	29636.	7524.4

Sample Name: CCVL Acquired: 4/21/2017 18:17:37 Type: QC
Method: xin_sw030317(v53) 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	**248.0**	**17.41**	**10.21**	**225.5**	**2.341**	**5316.**
Stddev	2.6	3.30	.57	.3	.031	21.
%RSD	1.056	18.97	5.552	.1432	1.320	.3866
#1	248.8	19.90	9.801	225.1	2.358	5315.
#2	250.2	13.66	10.85	225.7	2.360	5336.
#3	245.1	18.67	9.963	225.6	2.305	5295.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.386**	**56.61**	**11.65**	**25.71**	**188.0**	**5103.**
Stddev	.034	.42	.25	.30	9.6	58.
%RSD	.7732	.7370	2.186	1.155	5.122	1.128
#1	4.425	56.26	11.52	25.53	184.9	5037.
#2	4.363	56.49	11.49	26.06	180.2	5137.
#3	4.369	57.07	11.94	25.55	198.7	5136.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 18:17:37 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5309.**	**16.57**	**5164.**	**45.88**	**11.33**	**21.28**
Stddev	28.	.17	8.	.20	1.19	1.97
%RSD	.5225	1.034	.1565	.4364	10.49	9.249
#1	5277.	16.37	5160.	45.66	12.68	19.10
#2	5328.	16.67	5173.	45.97	10.47	21.80
#3	5321.	16.66	5157.	46.03	10.83	22.93
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	**20.83**	**21.03**	**54.37**	**35.57**	**53.73**	**22.04**
Stddev	4.10	.79	.69	.32	.50	.08
%RSD	19.67	3.762	1.262	.8892	.9387	.3802
#1	16.30	21.82	53.92	35.81	53.35	22.04
#2	24.27	21.03	54.02	35.68	53.54	21.96
#3	21.92	20.24	55.16	35.21	54.30	22.13
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 18:17:37 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**58.94**	**21.54**	**24.08**	F **10.37**
Stddev	.11	.21	.22	5.05
%RSD	.1886	.9587	.9277	48.66
#1	58.96	21.32	23.84	6.846
#2	58.82	21.73	24.29	8.122
#3	59.04	21.56	24.10	16.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2753.2**	**29559.**	**7583.6**
Stddev	14.3	35.	115.2
%RSD	.51845	.11780	1.5191
#1	2738.5	29599.	7461.8
#2	2754.0	29542.	7690.8
#3	2767.0	29536.	7598.4

Sample Name: 460-131527-A-1-F@4 Acquired: 4/21/2017 18:21:37 Type: Unk
Method: xin_sw030317(v53) 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	**35900.**	**23.97**	**-.5811**	**108.1**	**2.721**	**3074.**
Stddev	170.	2.78	.2358	.4	.029	16.
%RSD	.4747	11.60	40.59	.3446	1.058	.5251
#1	35730.	24.15	-.7546	108.5	2.702	3063.
#2	35880.	21.10	-.6761	108.1	2.706	3093.
#3	36070.	26.65	-.3126	107.8	2.754	3067.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.429**	**38.60**	**121.8**	**43.32**	**97270.**	**5714.**
Stddev	.029	.28	.7	.43	225.	29.
%RSD	2.026	.7242	.5528	1.001	.2315	.5053
#1	-1.461	38.37	121.0	43.76	97120.	5746.
#2	-1.405	38.53	122.1	42.89	97530.	5705.
#3	-1.421	38.91	122.2	43.30	97170.	5690.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131527-A-1-F@4 Acquired: 4/21/2017 18:21:37 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**9834.**	**670.3**	**175.9**	**67.80**	**105.5**	**.7461**
Stddev	96.	1.8	5.8	.42	2.4	2.144
%RSD	.9712	.2614	3.272	.6185	2.254	287.3
#1	9727.	669.3	180.8	67.35	102.9	-1.135
#2	9912.	672.4	169.6	68.17	106.1	.2933
#3	9863.	669.4	177.3	67.90	107.5	3.080
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	**1.824**	**-5.220**	**103.7**	**212.1**	**31.09**	**2.769**
Stddev	2.230	1.628	1.3	3.8	.33	.286
%RSD	122.3	31.19	1.210	1.776	1.064	10.35
#1	4.266	-6.984	102.5	209.0	30.96	3.024
#2	-.1046	-4.899	103.5	211.1	30.85	2.459
#3	1.310	-3.776	105.0	216.3	31.47	2.823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131527-A-1-F@4 Acquired: 4/21/2017 18:21:37 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.451**	**21.54**	**512.0**	**1994.**
Stddev	.858	.10	.3	21.
%RSD	10.15	.4596	.0603	1.039
#1	7.751	21.56	512.4	2016.
#2	9.407	21.43	511.9	1974.
#3	8.195	21.62	511.8	1991.
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	**2803.9**	**30118.**	**7799.7**
Stddev	3.1	212.	121.3
%RSD	.11064	.70527	1.5547
#1	2800.5	30304.	7937.4
#2	2804.9	29886.	7708.9
#3	2806.4	30163.	7752.9

Sample Name: 460-131570-E-5-B@4 Acquired: 4/21/2017 18:29:22 Type: Unk
Method: xin_sw030317(v53) 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	**23860.**	**19.22**	**.7892**	**398.0**	**3.322**	**5040.**
Stddev	96.	.98	.2761	.4	.099	5.
%RSD	.4017	5.097	34.98	.1086	2.992	.0924
#1	23750.	19.32	1.092	398.1	3.209	5034.
#2	23910.	20.14	.7244	398.5	3.394	5041.
#3	23920.	18.19	.5513	397.6	3.364	5043.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2093**	**22.89**	**117.2**	**153.3**	F **243700.**	**2420.**
Stddev	.0479	.34	1.0	.1	523.	24.
%RSD	22.91	1.470	.8429	.0763	.2146	.9832
#1	-.1543	22.67	116.3	153.2	243200.	2402.
#2	-.2424	23.27	117.1	153.2	243700.	2447.
#3	-.2311	22.71	118.3	153.4	244300.	2411.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-131570-E-5-B@4 Acquired: 4/21/2017 18:29:22 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3203.**	**406.2**	**589.6**	**297.3**	**1473.**	**6.613**
Stddev	12.	.3	4.4	1.5	11.	.517
%RSD	.3708	.0775	.7532	.5039	.7406	7.814
#1	3189.	406.4	585.1	296.4	1468.	6.117
#2	3208.	405.9	594.0	296.4	1466.	6.574
#3	3212.	406.5	589.7	299.0	1486.	7.149
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	**6.847**	**-12.94**	**59.47**	**1792.**	**11.32**	**10.23**
Stddev	1.435	2.04	.42	4.	.06	.50
%RSD	20.96	15.76	.6981	.2226	.5405	4.878
#1	8.164	-14.34	59.74	1792.	11.29	9.781
#2	5.317	-10.60	58.99	1789.	11.28	10.14
#3	7.059	-13.89	59.68	1796.	11.39	10.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131570-E-5-B@4 Acquired: 4/21/2017 18:29:22 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**24.21**	**103.4**	**988.2**	**1653.**
Stddev	.40	.3	.5	13.
%RSD	1.646	.3046	.0551	.7685
#1	23.87	103.1	987.6	1658.
#2	24.65	103.7	988.5	1661.
#3	24.11	103.2	988.6	1638.
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	**2871.5**	**31240.**	**8040.8**
Stddev	10.9	122.	41.0
%RSD	.37917	.38997	.51008
#1	2860.9	31127.	8074.2
#2	2882.6	31369.	8053.1
#3	2870.9	31225.	7995.0

Sample Name: 460-131572-E-1-B@4 Acquired: 4/21/2017 18:33:11 Type: Unk
Method: xin_sw030317(v53) 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	**48450.**	**2.423**	**-.5529**	**118.6**	**3.049**	**36800.**
Stddev	33.	1.282	.4547	.1	.041	84.
%RSD	.0690	52.90	82.23	.0583	1.340	.2286
#1	48470.	3.897	-1.049	118.6	3.007	36750.
#2	48410.	1.808	-.4541	118.5	3.051	36750.
#3	48460.	1.564	-.1558	118.7	3.089	36900.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.878**	**53.07**	**86.52**	**215.5**	**105900.**	**1588.**
Stddev	.189	.12	.49	2.7	325.	14.
%RSD	10.04	.2201	.5624	1.276	.3066	.8511
#1	-2.088	52.94	85.96	212.5	105700.	1596.
#2	-1.823	53.17	86.80	216.1	105800.	1572.
#3	-1.723	53.09	86.81	217.9	106300.	1596.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131572-E-1-B@4 Acquired: 4/21/2017 18:33:11 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**36000.**	**1437.**	**4044.**	**131.7**	**2.877**	**-.2673**
Stddev	113.	3.	6.	.7	2.118	1.647
%RSD	.3132	.2252	.1397	.5029	73.63	616.0
#1	35960.	1435.	4051.	130.9	.6743	-1.400
#2	35920.	1435.	4042.	131.9	4.900	-1.024
#3	36130.	1440.	4040.	132.2	3.058	1.622
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	**1.509**	**-5.783**	**177.9**	**157.0**	**365.3**	**4.233**
Stddev	2.107	.306	2.3	1.4	3.2	.241
%RSD	139.6	5.285	1.313	.8734	.8626	5.700
#1	-.0653	-5.430	176.1	155.5	362.5	4.468
#2	.6896	-5.978	177.1	157.2	364.5	4.246
#3	3.902	-5.940	180.6	158.2	368.7	3.986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131572-E-1-B@4 Acquired: 4/21/2017 18:33:11 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.059**	**97.10**	**7496.**	**1520.**
Stddev	.391	.25	27.	39.
%RSD	5.541	.2573	.3537	2.573
#1	7.366	97.34	7485.	1485.
#2	7.193	97.13	7477.	1562.
#3	6.619	96.84	7526.	1514.
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	**2762.3**	**29749.**	**7725.8**
Stddev	5.5	120.	47.6
%RSD	.19854	.40312	.61615
#1	2759.9	29631.	7673.1
#2	2758.4	29870.	7765.7
#3	2768.6	29746.	7738.5

Sample Name: 460-131364-F-9-F@4 Acquired: 4/21/2017 18:40:54 Type: Unk
Method: xin_sw030317(v53) 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	**8217.**	**148.3**	**.7546**	**535.8**	**1.068**	**39440.**
Stddev	29.	2.7	.7866	1.1	.055	259.
%RSD	.3493	1.823	104.2	.2104	5.150	.6555
#1	8227.	147.8	.9087	536.9	1.121	39210.
#2	8239.	151.2	1.453	535.8	1.011	39380.
#3	8184.	145.8	-.0976	534.6	1.071	39720.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-4.432**	**2.308**	**34.81**	**165.5**	F **259400.**	**9295.**
Stddev	.070	.246	.34	1.0	688.	60.
%RSD	1.579	10.68	.9859	.6246	.2651	.6457
#1	-4.393	2.042	34.45	164.4	259100.	9261.
#2	-4.390	2.528	35.14	165.5	258900.	9364.
#3	-4.513	2.355	34.84	166.5	260200.	9260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-131364-F-9-F@4 Acquired: 4/21/2017 18:40:54 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3445.**	**368.2**	**14950.**	**10.60**	**1536.**	**-1.228**
Stddev	39.	3.0	78.	.46	10.	1.892
%RSD	1.132	.8090	.5210	4.303	.6445	154.1
#1	3402.	365.8	14900.	10.80	1525.	-.3877
#2	3455.	367.3	15040.	10.92	1544.	.0986
#3	3479.	371.5	14900.	10.08	1540.	-3.395
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	**24.09**	**-11.33**	**50.74**	**54.14**	**34.64**	**54.90**
Stddev	.48	.12	.74	.52	.94	.42
%RSD	1.991	1.088	1.456	.9674	2.722	.7687
#1	23.61	-11.27	49.96	53.59	33.78	54.48
#2	24.09	-11.26	51.43	54.21	34.48	55.32
#3	24.57	-11.48	50.82	54.63	35.65	54.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131364-F-9-F@4 Acquired: 4/21/2017 18:40:54 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**154.3**	**273.5**	**2460.**	**2715.**
Stddev	2.0	1.6	8.	31.
%RSD	1.275	.5888	.3323	1.145
#1	152.0	271.8	2465.	2750.
#2	155.2	275.1	2451.	2702.
#3	155.6	273.5	2464.	2692.
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	**2726.9**	**29382.**	**7760.1**
Stddev	27.3	152.	69.2
%RSD	1.0026	.51564	.89180
#1	2701.5	29207.	7714.6
#2	2723.3	29462.	7726.0
#3	2755.8	29477.	7839.7

Sample Name: 460-131457-F-3-C@4 Acquired: 4/21/2017 18:44:46 Type: Unk
Method: xin_sw030317(v53) 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	**39140.**	**6.734**	**-.5813**	**351.9**	**2.150**	**19040.**
Stddev	173.	1.156	.1770	1.2	.070	47.
%RSD	.4418	17.17	30.46	.3430	3.254	.2456
#1	38940.	6.541	-.4294	350.9	2.184	19090.
#2	39200.	7.974	-.5386	351.5	2.197	19040.
#3	39280.	5.686	-.7757	353.2	2.070	19000.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.064**	**30.34**	**134.0**	**118.1**	**61050.**	**5143.**
Stddev	.007	.10	.8	.5	77.	4.
%RSD	.6266	.3408	.6335	.4265	.1254	.0768
#1	-1.061	30.25	133.1	117.6	60980.	5139.
#2	-1.071	30.31	134.8	118.0	61130.	5143.
#3	-1.059	30.45	134.2	118.6	61030.	5146.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-F-3-C@4 Acquired: 4/21/2017 18:44:46 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**15610.**	**846.9**	**2228.**	**80.21**	**152.0**	**.3805**
Stddev	43.	3.3	11.	1.59	1.2	1.263
%RSD	.2752	.3914	.5149	1.985	.7880	332.1
#1	15630.	850.5	2218.	78.84	150.9	1.784
#2	15630.	846.4	2241.	79.83	151.8	-.6661
#3	15560.	843.9	2225.	81.95	153.2	.0237
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	**2.344**	**-4.549**	**106.7**	**187.0**	**11.36**	**1.601**
Stddev	1.555	.807	.3	2.1	.62	.145
%RSD	66.33	17.74	.2564	1.139	5.460	9.074
#1	4.134	-4.299	106.7	184.9	11.10	1.764
#2	1.322	-5.451	106.4	186.8	10.91	1.557
#3	1.577	-3.896	107.0	189.2	12.07	1.483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-F-3-C@4 Acquired: 4/21/2017 18:44:46 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.024**	**73.25**	**1389.**	**1673.**
Stddev	1.179	.21	2.	13.
%RSD	13.06	.2829	.1796	.7804
#1	10.30	73.42	1386.	1665.
#2	7.975	73.31	1390.	1688.
#3	8.795	73.02	1391.	1666.
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	**2813.9**	**30217.**	**7917.5**
Stddev	22.7	155.	48.1
%RSD	.80638	.51242	.60739
#1	2834.5	30334.	7967.4
#2	2817.5	30275.	7913.6
#3	2789.6	30042.	7871.4

Sample Name: 460-131457-F-4-B@4 Acquired: 4/21/2017 18:48:37 Type: Unk
Method: xin_sw030317(v53) 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	**71350.**	**-4.529**	**-.8657**	**667.1**	**3.635**	**18710.**
Stddev	210.	1.280	.4475	1.8	.111	98.
%RSD	.2942	28.26	51.69	.2705	3.042	.5243
#1	71110.	-3.219	-1.355	669.1	3.724	18810.
#2	71440.	-4.590	-.4774	666.9	3.670	18610.
#3	71500.	-5.777	-.7646	665.5	3.511	18700.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.562**	**70.37**	**142.1**	**216.8**	**136100.**	**46920.**
Stddev	.239	.47	.9	.7	824.	141.
%RSD	9.351	.6703	.6288	.3417	.6058	.3004
#1	-2.820	69.92	143.1	216.9	137000.	46760.
#2	-2.519	70.33	141.9	216.0	135600.	46980.
#3	-2.347	70.87	141.4	217.4	135600.	47020.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-F-4-B@4 Acquired: 4/21/2017 18:48:37 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**42460.**	**635.8**	**1939.**	**160.9**	**19.03**	**1.673**
Stddev	248.	3.2	10.	.6	1.74	.181
%RSD	.5843	.5027	.5113	.3754	9.141	10.80
#1	42740.	639.2	1929.	161.1	21.02	1.519
#2	42250.	632.9	1949.	161.3	17.80	1.629
#3	42400.	635.2	1938.	160.2	18.26	1.872
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	**8.039**	**-4.524**	**207.6**	**422.3**	**2.303**	**7.914**
Stddev	3.919	.642	.1	.9	.475	.366
%RSD	48.75	14.19	.0367	.2194	20.61	4.630
#1	10.94	-4.484	207.6	423.1	2.417	7.578
#2	9.590	-5.184	207.6	422.5	2.710	7.858
#3	3.582	-3.903	207.5	421.3	1.782	8.305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-F-4-B@4 Acquired: 4/21/2017 18:48:37 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.624**	**32.57**	**9409.**	**1413.**
Stddev	.907	.11	55.	9.
%RSD	9.429	.3291	.5877	.6372
#1	9.473	32.53	9472.	1405.
#2	8.801	32.48	9378.	1423.
#3	10.60	32.69	9375.	1411.
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	**2721.2**	**29299.**	**7612.3**
Stddev	9.4	165.	6.2
%RSD	.34421	.56382	.08132
#1	2712.8	29109.	7612.8
#2	2719.5	29382.	7605.9
#3	2731.3	29407.	7618.3

Sample Name: 460-131457-G-5-B@4 Acquired: 4/21/2017 18:52:24 Type: Unk
Method: xin_sw030317(v53) 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	**37370.**	**9.870**	**-.4218**	**241.7**	**2.535**	**106800.**
Stddev	46.	1.355	.3256	1.1	.053	260.
%RSD	.1218	13.73	77.19	.4469	2.106	.2433
#1	37350.	10.44	-.7873	240.5	2.480	106800.
#2	37420.	8.322	-.1626	242.1	2.540	106600.
#3	37340.	10.84	-.3156	242.5	2.586	107100.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.9242**	**31.53**	**75.69**	**59.66**	**53240.**	**4933.**
Stddev	.1883	.52	.82	.62	238.	23.
%RSD	20.37	1.641	1.089	1.037	.4470	.4650
#1	-1.039	31.04	76.36	59.82	53250.	4916.
#2	-.7069	31.47	74.77	58.98	53000.	4923.
#3	-1.027	32.07	75.93	60.18	53480.	4959.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-G-5-B@4 Acquired: 4/21/2017 18:52:24 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**21100.**	**937.1**	**2295.**	**90.16**	**138.8**	**.4866**
Stddev	73.	3.0	3.	1.01	3.7	1.365
%RSD	.3470	.3222	.1459	1.115	2.666	280.6
#1	21100.	935.1	2296.	89.00	140.1	.2182
#2	21020.	935.7	2291.	90.69	134.6	-.7247
#3	21170.	940.6	2298.	90.78	141.6	1.966
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	**3.340**	**-2.990**	**99.03**	**106.3**	**16.22**	**1.789**
Stddev	1.314	.941	1.16	.7	.44	.235
%RSD	39.35	31.45	1.168	.6888	2.717	13.16
#1	2.315	-2.296	98.83	105.6	15.98	1.594
#2	4.822	-2.614	97.99	106.2	16.73	2.051
#3	2.883	-4.061	100.3	107.0	15.95	1.723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-G-5-B@4 Acquired: 4/21/2017 18:52:24 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.627**	**136.3**	**1717.**	**1617.**
Stddev	.561	.2	10.	24.
%RSD	5.824	.1829	.5944	1.494
#1	8.998	136.4	1716.	1589.
#2	10.08	136.5	1707.	1632.
#3	9.809	136.0	1727.	1630.
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	**2763.7**	**29645.**	**7706.4**
Stddev	4.6	156.	81.9
%RSD	.16479	.52498	1.0626
#1	2758.6	29480.	7667.3
#2	2767.2	29790.	7651.4
#3	2765.5	29664.	7800.5

Sample Name: 460-131457-A-6-C@4 Acquired: 4/21/2017 18:56:15 Type: Unk
Method: xin_sw030317(v53) 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	**42500.**	**10.33**	**-.6525**	**273.0**	**2.444**	**8587.**
Stddev	94.	.78	.3958	.5	.065	34.
%RSD	.2211	7.588	60.66	.1915	2.675	.3969
#1	42450.	9.810	-.2690	273.2	2.369	8566.
#2	42450.	11.24	-1.060	272.5	2.491	8626.
#3	42610.	9.957	-.6289	273.5	2.472	8569.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.280**	**31.35**	**83.22**	**70.67**	**71750.**	**4409.**
Stddev	.073	.09	.53	.25	352.	32.
%RSD	5.718	.3026	.6318	.3507	.4909	.7229
#1	-1.210	31.24	82.66	70.61	71570.	4445.
#2	-1.356	31.36	83.70	70.94	72150.	4384.
#3	-1.275	31.43	83.31	70.46	71520.	4397.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-A-6-C@4 Acquired: 4/21/2017 18:56:15 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**14960.**	**865.3**	**1546.**	**77.20**	**95.49**	**.8976**
Stddev	70.	1.7	4.	.31	2.21	1.840
%RSD	.4649	.2014	.2862	.3985	2.319	204.9
#1	14950.	865.2	1545.	77.41	93.06	2.645
#2	15030.	867.1	1542.	76.85	97.40	-1.022
#3	14890.	863.7	1550.	77.36	95.99	1.070
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	**.8428**	**-4.913**	**115.4**	**168.3**	**11.28**	**1.390**
Stddev	1.554	.833	.7	.4	.35	.211
%RSD	184.4	16.96	.5852	.2659	3.125	15.17
#1	1.788	-5.692	114.6	168.0	11.60	1.289
#2	1.691	-5.013	115.8	168.0	11.35	1.249
#3	-.9509	-4.034	115.7	168.8	10.90	1.633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-A-6-C@4 Acquired: 4/21/2017 18:56:15 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.559**	**34.44**	**1304.**	**2098.**
Stddev	.552	.04	3.	23.
%RSD	7.299	.1186	.2554	1.094
#1	7.052	34.48	1302.	2083.
#2	7.479	34.40	1308.	2124.
#3	8.146	34.43	1302.	2086.
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	**2832.7**	**30563.**	**7818.8**
Stddev	7.6	122.	33.2
%RSD	.26919	.39762	.42400
#1	2825.2	30634.	7830.6
#2	2832.4	30423.	7844.5
#3	2840.5	30632.	7781.4

Sample Name: CCV Acquired: 4/21/2017 19:00:07 Type: QC
Method: xin_sw030317(v53) 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	**129400.**	**2540.**	**1278.**	**10390.**	**1003.**	**125300.**
Stddev	138.	5.	5.	7.	3.	127.
%RSD	.1069	.2002	.3542	.0683	.2541	.1016
#1	129200.	2539.	1273.	10390.	1001.	125200.
#2	129500.	2535.	1281.	10390.	1002.	125400.
#3	129500.	2545.	1281.	10400.	1005.	125400.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1284.**	**2536.**	**5191.**	**12650.**	**105600.**	**49340.**
Stddev	.	1.	14.	37.	362.	102.
%RSD	.0336	.0500	.2691	.2943	.3433	.2063
#1	1284.	2536.	5175.	12610.	105100.	49230.
#2	1284.	2535.	5202.	12670.	105800.	49370.
#3	1285.	2537.	5196.	12680.	105700.	49420.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 19:00:07 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**127200.**	**5016.**	**127500.**	**2611.**	**7786.**	**994.8**
Stddev	230.	2.	228.	2.	3.	4.2
%RSD	.1805	.0335	.1785	.0668	.0444	.4210
#1	127000.	5017.	127200.	2612.	7789.	995.3
#2	127400.	5014.	127600.	2609.	7783.	998.7
#3	127400.	5017.	127600.	2611.	7787.	990.3
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	**2567.**	**2645.**	**2533.**	**2680.**	**1038.**	**2567.**
Stddev	9.	7.	4.	6.	3.	2.
%RSD	.3491	.2655	.1480	.2113	.2706	.0859
#1	2569.	2651.	2530.	2685.	1036.	2568.
#2	2558.	2637.	2531.	2674.	1037.	2565.
#3	2575.	2646.	2537.	2681.	1041.	2569.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 19:00:07 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1031.**	**4978.**	**10670.**	**9760.**
Stddev	4.	14.	49.	21.
%RSD	.4015	.2863	.4629	.2155
#1	1033.	4962.	10610.	9762.
#2	1026.	4982.	10700.	9780.
#3	1033.	4989.	10690.	9738.
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	**2594.9**	**28047.**	**7439.9**
Stddev	2.3	60.	11.2
%RSD	.08911	.21351	.15077
#1	2593.0	28113.	7449.7
#2	2597.5	28031.	7442.4
#3	2594.2	27997.	7427.7

Sample Name: CCB Acquired: 4/21/2017 19:03:43 Type: QC
Method: xin_sw030317(v53) 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	**.0845**	**.1099**	**-.3235**	**.1405**	**.1332**	**-10.82**
Stddev	9.187	1.421	.4933	.0247	.0450	4.43
%RSD	10880.	1292.	152.5	17.58	33.80	40.99
#1	.6281	-1.523	-.1955	.1491	.1288	-6.118
#2	8.988	1.065	.0933	.1598	.0905	-11.41
#3	-9.363	.7875	-.8681	.1127	.1802	-14.93
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0442**	**.1397**	**.4348**	**-.2299**	**15.85**	**-41.22**
Stddev	.0769	.0342	.4024	.3758	13.69	3.00
%RSD	174.1	24.49	92.56	163.5	86.37	7.267
#1	.0434	.1689	.1101	-.5240	27.55	-42.30
#2	-.1005	.1020	.3092	.1935	.7955	-43.52
#3	-.0754	.1482	.8850	-.3591	19.20	-37.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 19:03:43 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2.504**	**.1210**	**-21.96**	**-.7714**	**-.8491**	**-.1142**
Stddev	3.541	.1081	4.92	.0296	1.429	.7110
%RSD	141.4	89.32	22.40	3.835	168.2	622.6
#1	6.485	.2385	-16.29	-.7417	-1.267	.7066
#2	-.2914	.0260	-25.12	-.8008	-2.022	-.5099
#3	1.318	.0984	-24.46	-.7717	.7417	-.5393
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	**.1475**	**-1.240**	**.2006**	**-.2484**	**1.033**	**1.188**
Stddev	.7467	.615	.2765	.1554	.459	.514
%RSD	506.3	49.61	137.8	62.58	44.48	43.26
#1	-.1614	-.6051	.3564	-.1251	1.562	1.636
#2	-.3952	-1.834	-.1186	-.4230	.7378	1.301
#3	.9991	-1.282	.3641	-.1970	.7981	.6270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 19:03:43 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3148**	**.2220**	**.7322**	**22.98**
Stddev	.1013	.1305	.3115	10.55
%RSD	32.18	58.79	42.55	45.92
#1	.3922	.2727	1.090	24.39
#2	.2002	.3196	.5872	11.79
#3	.3520	.0737	.5196	32.74
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	**2761.8**	**29600.**	**7495.9**
Stddev	7.6	124.	33.7
%RSD	.27544	.41891	.44949
#1	2756.6	29676.	7493.5
#2	2758.4	29668.	7530.8
#3	2770.5	29457.	7463.5

Sample Name: CCVL Acquired: 4/21/2017 19:07:44 Type: QC
Method: xin_sw030317(v53) 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	**243.4**	**14.42**	**10.32**	**225.5**	**2.312**	**5285.**
Stddev	9.4	1.96	.41	.7	.080	30.
%RSD	3.876	13.59	3.977	.2982	3.472	.5769
#1	239.9	16.66	10.43	224.8	2.242	5277.
#2	236.2	13.57	9.865	226.2	2.295	5259.
#3	254.1	13.02	10.66	225.5	2.399	5318.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.436**	**56.65**	**11.54**	**26.11**	**186.5**	**5071.**
Stddev	.025	.30	.27	.52	5.3	33.
%RSD	.5629	.5364	2.297	1.985	2.828	.6422
#1	4.424	56.49	11.27	26.33	189.5	5067.
#2	4.419	57.00	11.56	26.48	189.6	5041.
#3	4.464	56.47	11.80	25.51	180.4	5105.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 19:07:44 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5312.**	**16.58**	**5156.**	**46.10**	**11.06**	**20.54**
Stddev	41.	.04	12.	.74	1.96	1.94
%RSD	.7634	.2278	.2281	1.599	17.76	9.428
#1	5265.	16.54	5142.	45.52	13.31	21.33
#2	5332.	16.59	5160.	45.86	10.13	18.34
#3	5338.	16.61	5164.	46.93	9.726	21.97
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	**17.51**	**23.38**	**54.57**	**35.51**	**54.03**	**22.13**
Stddev	1.38	.34	.26	.29	.59	.26
%RSD	7.882	1.439	.4818	.8299	1.101	1.172
#1	17.37	23.70	54.43	35.17	53.37	21.84
#2	16.21	23.03	54.87	35.68	54.17	22.34
#3	18.96	23.41	54.40	35.67	54.54	22.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 19:07:44 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**58.88**	**21.41**	**24.16**	F **10.67**
Stddev	.67	.21	.33	2.29
%RSD	1.133	.9760	1.380	21.49
#1	58.41	21.23	23.77	8.032
#2	58.59	21.35	24.34	11.80
#3	59.65	21.64	24.36	12.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2744.0**	**29604.**	**7585.5**
Stddev	11.5	159.	96.6
%RSD	.41927	.53819	1.2735
#1	2757.0	29694.	7656.7
#2	2739.8	29697.	7624.3
#3	2735.1	29420.	7475.6

Sample Name: 460-131457-F-9-C@4 Acquired: 4/21/2017 19:14:16 Type: Unk
Method: xin_sw030317(v53) 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	**32960.**	**8.348**	**-.9375**	**180.3**	**2.348**	**18660.**
Stddev	48.	.638	.2525	.6	.056	108.
%RSD	.1454	7.640	26.94	.3556	2.396	.5805
#1	32920.	9.083	-1.207	180.5	2.283	18670.
#2	33010.	8.025	-.8989	180.8	2.375	18760.
#3	32950.	7.937	-.7065	179.6	2.386	18540.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6915**	**26.04**	**80.15**	**69.69**	**53660.**	**4901.**
Stddev	.0862	.20	.47	.24	418.	33.
%RSD	12.47	.7737	.5906	.3514	.7789	.6697
#1	-.7515	25.85	80.29	69.46	53700.	4864.
#2	-.5927	26.00	80.54	69.67	54050.	4915.
#3	-.7304	26.25	79.63	69.95	53220.	4925.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-F-9-C@4 Acquired: 4/21/2017 19:14:16 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12460.**	**572.0**	**1903.**	**77.17**	**108.6**	**1.368**
Stddev	86.	3.5	20.	.52	.9	.945
%RSD	.6887	.6038	1.073	.6780	.8215	69.07
#1	12500.	573.2	1879.	76.58	109.6	1.535
#2	12530.	574.7	1914.	77.34	107.9	2.217
#3	12370.	568.1	1915.	77.58	108.3	.3505
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	**2.276**	**-3.707**	**97.60**	**149.1**	**11.38**	**1.667**
Stddev	.751	2.086	.55	1.2	.35	.183
%RSD	33.02	56.27	.5628	.7891	3.068	10.95
#1	2.673	-3.353	97.21	148.0	11.12	1.540
#2	2.746	-1.820	98.23	149.1	11.77	1.585
#3	1.409	-5.947	97.36	150.3	11.24	1.876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-F-9-C@4 Acquired: 4/21/2017 19:14:16 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.152**	**52.86**	**1464.**	**2156.**
Stddev	.103	.36	6.	21.
%RSD	1.264	.6860	.4193	.9639
#1	8.162	52.58	1467.	2137.
#2	8.044	52.73	1468.	2152.
#3	8.249	53.27	1457.	2178.
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	**2803.0**	**30123.**	**7797.5**
Stddev	11.6	227.	39.9
%RSD	.41335	.75356	.51198
#1	2790.6	30029.	7800.4
#2	2804.7	29957.	7756.2
#3	2813.6	30381.	7835.9

Sample Name: 460-131457-A-10-C@4 Acquired: 4/21/2017 19:18:11 Type: Unk
Method: xin_sw030317(v53) 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	**43350.**	**9.683**	**.1363**	**202.1**	**2.346**	**13320.**
Stddev	167.	.651	.3412	.5	.111	51.
%RSD	.3855	6.721	250.4	.2666	4.721	.3844
#1	43190.	10.06	-.1290	201.5	2.252	13260.
#2	43330.	10.05	.0165	202.2	2.468	13350.
#3	43520.	8.932	.5212	202.5	2.318	13340.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0678**	**39.21**	**136.6**	**102.5**	**60870.**	**3865.**
Stddev	.0913	.47	.9	.9	247.	35.
%RSD	134.8	1.205	.6923	.9106	.4053	.8952
#1	-.1554	38.67	135.5	101.5	60590.	3831.
#2	.0268	39.40	137.1	102.9	61030.	3864.
#3	-.0747	39.56	137.2	103.2	60990.	3900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-A-10-C@4 Acquired: 4/21/2017 19:18:11 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**14280.**	**1796.**	**2297.**	**90.80**	**51.74**	**.6294**
Stddev	39.	7.	19.	.34	.28	1.194
%RSD	.2765	.3802	.8223	.3773	.5509	189.7
#1	14240.	1788.	2288.	90.44	51.44	.0643
#2	14320.	1801.	2285.	91.12	51.79	-.1770
#3	14290.	1799.	2319.	90.85	52.00	2.001
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	**2.036**	**-5.717**	**127.2**	**209.8**	**10.21**	**2.078**
Stddev	2.022	1.104	.7	1.4	.30	.222
%RSD	99.29	19.31	.5330	.6675	2.955	10.69
#1	2.599	-4.654	126.4	208.2	10.42	1.989
#2	3.717	-5.640	127.3	210.1	9.863	1.915
#3	-.2075	-6.858	127.8	211.0	10.35	2.331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-A-10-C@4 Acquired: 4/21/2017 19:18:11 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.75**	**47.30**	**1423.**	**2104.**
Stddev	.22	.07	2.	13.
%RSD	2.005	.1558	.1137	.6311
#1	10.57	47.22	1421.	2117.
#2	10.69	47.33	1424.	2091.
#3	10.99	47.35	1422.	2105.
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	**2833.3**	**30405.**	**7800.6**
Stddev	8.7	97.	21.3
%RSD	.30760	.32047	.27349
#1	2825.1	30460.	7817.5
#2	2832.4	30293.	7807.7
#3	2842.5	30463.	7776.6

Sample Name: 460-131457-F-11-C@4 Acquired: 4/21/2017 19:22:04 Type: Unk
Method: xin_sw030317(v53) 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	**23560.**	**56.43**	**1.141**	**1138.**	**2.736**	**82470.**
Stddev	87.	2.28	.712	1.	.152	326.
%RSD	.3678	4.037	62.39	.0568	5.548	.3951
#1	23660.	58.14	.7829	1137.	2.786	82210.
#2	23520.	57.31	.6790	1138.	2.565	82360.
#3	23510.	53.85	1.960	1138.	2.857	82840.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**6.423**	**32.39**	**113.4**	**520.0**	**189300.**	**3579.**
Stddev	.120	.05	.5	.9	700.	9.
%RSD	1.872	.1409	.4368	.1648	.3696	.2565
#1	6.532	32.40	113.0	519.9	189000.	3581.
#2	6.442	32.43	113.3	521.0	188900.	3587.
#3	6.294	32.34	113.9	519.3	190100.	3569.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-F-11-C@4 Acquired: 4/21/2017 19:22:04 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**8896.**	**1379.**	**2644.**	**148.0**	**2686.**	**6.566**
Stddev	59.	5.	8.	.7	12.	1.043
%RSD	.6611	.3710	.2890	.4857	.4369	15.89
#1	8852.	1374.	2650.	147.2	2673.	5.362
#2	8872.	1380.	2635.	148.4	2693.	7.211
#3	8963.	1384.	2646.	148.4	2693.	7.125
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	**12.64**	**-8.198**	**197.2**	**1885.**	**13.60**	**12.92**
Stddev	1.63	.972	.8	4.	.59	.16
%RSD	12.87	11.86	.4106	.2070	4.328	1.224
#1	14.48	-8.452	196.6	1887.	12.93	13.10
#2	11.40	-9.018	196.9	1888.	14.04	12.79
#3	12.03	-7.124	198.1	1881.	13.84	12.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131457-F-11-C@4 Acquired: 4/21/2017 19:22:04 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**92.37**	**317.6**	**895.2**	**1779.**
Stddev	1.42	1.3	2.1	13.
%RSD	1.533	.4109	.2370	.7188
#1	90.80	316.1	896.8	1790.
#2	92.78	318.2	896.1	1783.
#3	93.54	318.5	892.8	1765.
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	**2794.4**	**29915.**	**7863.0**
Stddev	14.8	155.	81.3
%RSD	.52863	.51949	1.0342
#1	2777.4	29785.	7778.4
#2	2801.7	30087.	7940.6
#3	2804.1	29873.	7870.1

Sample Name: 460-131612-A-1-D MS Acquired: 4/21/2017 19:45:22 Type: Unk
Method: xin_sw030317(v53) 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	**10070.**	**1060.**	**25.07**	**1139.**	**27.44**	**10800.**
Stddev	73.	6.	.83	6.	.22	48.
%RSD	.7266	.5704	3.302	.5208	.8028	.4421
#1	9994.	1054.	24.17	1133.	27.25	10770.
#2	10080.	1060.	25.26	1138.	27.39	10780.
#3	10140.	1066.	25.79	1145.	27.68	10860.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**26.55**	**275.9**	**153.5**	**144.7**	**31410.**	**13870.**
Stddev	.25	2.0	.3	1.1	188.	62.
%RSD	.9571	.7129	.2148	.7741	.5992	.4470
#1	26.29	273.7	153.6	143.4	31300.	13810.
#2	26.56	276.8	153.2	145.3	31310.	13870.
#3	26.80	277.4	153.8	145.3	31630.	13940.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-1-D MS Acquired: 4/21/2017 19:45:22 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12120.**	**341.9**	**10320.**	**287.2**	**323.6**	**249.8**
Stddev	50.	1.4	59.	1.6	3.7	2.0
%RSD	.4099	.4016	.5721	.5741	1.148	.7877
#1	12100.	341.4	10280.	285.3	320.0	247.7
#2	12080.	340.9	10300.	287.7	323.5	250.3
#3	12170.	343.5	10390.	288.5	327.4	251.5
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	**1030.**	**1152.**	**307.7**	**344.5**	**288.8**	**270.4**
Stddev	6.	6.	1.7	2.7	3.5	3.1
%RSD	.6072	.5213	.5416	.7770	1.229	1.150
#1	1023.	1148.	305.9	341.7	285.0	267.0
#2	1032.	1150.	308.3	344.7	289.3	271.1
#3	1035.	1159.	309.0	347.0	292.0	273.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-1-D MS Acquired: 4/21/2017 19:45:22 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**279.9**	**261.7**	**412.3**	**1810.**
Stddev	1.9	1.8	1.2	58.
%RSD	.6720	.6727	.3019	3.229
#1	277.7	260.4	411.0	1746.
#2	280.8	261.0	412.5	1826.
#3	281.1	263.7	413.5	1859.
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	**2740.1**	**29335.**	**7558.4**
Stddev	10.2	186.	58.1
%RSD	.37143	.63257	.76927
#1	2728.5	29132.	7500.7
#2	2747.0	29497.	7557.5
#3	2745.0	29375.	7617.0

Sample Name: CCB Acquired: 4/21/2017 19:56:23 Type: QC
Method: xin_sw030317(v53) 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	**9.404**	**-.3034**	**-.0254**	**.4901**	**.0794**	**-12.17**
Stddev	6.175	.9014	.0247	.1314	.0362	2.21
%RSD	65.67	297.1	97.32	26.80	45.61	18.17
#1	16.50	.6874	-.0296	.6323	.0427	-13.81
#2	6.472	-.5224	.0011	.4649	.0804	-13.04
#3	5.241	-1.075	-.0478	.3732	.1150	-9.654
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1299**	**.1758**	**.6323**	**.3911**	**9.186**	**-29.14**
Stddev	.0030	.3008	.2700	.3203	5.492	17.84
%RSD	2.290	171.1	42.69	81.90	59.78	61.22
#1	-.1333	.1181	.8944	.6144	13.93	-35.84
#2	-.1285	.5013	.3552	.0241	3.168	-8.920
#3	-.1279	-.0920	.6474	.5348	10.46	-42.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 19:56:23 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4.608**	**.2854**	**-12.84**	**-.2050**	**.4822**	**.8046**
Stddev	3.542	.1101	1.12	.1503	.9631	.4490
%RSD	76.88	38.58	8.736	73.31	199.8	55.81
#1	.6916	.4098	-11.75	-.0356	1.288	1.144
#2	7.589	.2004	-13.99	-.3222	.7436	.9749
#3	5.544	.2460	-12.78	-.2571	-.5847	.2954
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	**-.7631**	**-1.194**	**.0146**	**-.2212**	**1.810**	**1.310**
Stddev	2.970	1.235	.3296	.0882	.481	.447
%RSD	389.1	103.4	2256.	39.88	26.55	34.10
#1	.9033	-2.614	.2292	-.1679	1.823	1.811
#2	-4.192	-.3770	-.3648	-.1727	2.284	1.164
#3	.9991	-.5905	.1794	-.3230	1.323	.9541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 19:56:23 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3572**	**.4292**	**1.098**	**17.44**
Stddev	.4920	.0998	.109	10.25
%RSD	137.8	23.24	9.955	58.74
#1	-.1934	.5442	1.219	10.99
#2	.7539	.3768	1.069	12.09
#3	.5109	.3666	1.007	29.26
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	**2761.3**	**29570.**	**7520.6**
Stddev	9.6	31.	3.4
%RSD	.34822	.10635	.04582
#1	2771.4	29541.	7520.2
#2	2760.3	29567.	7524.2
#3	2752.2	29604.	7517.4

Sample Name: 460-131612-A-2-B@4 Acquired: 4/21/2017 20:04:24 Type: Unk
Method: xin_sw030317(v53) 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	**18580.**	**59.28**	**-.4154**	**75.46**	**1.768**	**1162.**
Stddev	25.	1.28	.3823	.50	.059	1.
%RSD	.1363	2.161	92.02	.6559	3.334	.0952
#1	18610.	60.75	-.2238	74.93	1.716	1161.
#2	18580.	58.73	-.1668	75.55	1.757	1163.
#3	18560.	58.38	-.8556	75.90	1.832	1162.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7164**	**3.795**	**59.46**	**20.86**	**43800.**	**5597.**
Stddev	.1041	.056	.49	.06	112.	22.
%RSD	14.54	1.472	.8175	.3029	.2549	.3963
#1	-.7114	3.767	58.91	20.82	43670.	5611.
#2	-.8229	3.859	59.69	20.84	43870.	5609.
#3	-.6148	3.759	59.80	20.94	43860.	5571.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-2-B@4 Acquired: 4/21/2017 20:04:24 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3372.**	**302.7**	**69.83**	**9.835**	**60.00**	**.8304**
Stddev	55.	.5	3.03	.399	.75	1.589
%RSD	1.629	.1487	4.340	4.060	1.249	191.4
#1	3319.	302.2	72.46	9.439	59.33	1.510
#2	3368.	303.1	70.52	9.828	59.88	-.9855
#3	3429.	302.9	66.52	10.24	60.81	1.966
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	**2.320**	**-4.729**	**56.97**	**91.36**	**43.75**	**3.032**
Stddev	1.038	1.122	1.09	.91	.44	.068
%RSD	44.75	23.72	1.905	.9990	1.017	2.235
#1	1.459	-4.506	56.39	90.33	43.59	2.970
#2	2.028	-3.735	56.30	91.71	43.41	3.104
#3	3.474	-5.946	58.23	92.05	44.26	3.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-2-B@4 Acquired: 4/21/2017 20:04:24 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.779**	**7.741**	**185.9**	**1534.**
Stddev	.924	.143	1.2	11.
%RSD	11.88	1.850	.6667	.7040
#1	6.736	7.619	184.6	1524.
#2	8.106	7.706	186.0	1546.
#3	8.494	7.899	187.1	1533.
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	**2761.7**	**29798.**	**7565.5**
Stddev	2.6	24.	32.0
%RSD	.09566	.08069	.42258
#1	2759.8	29800.	7602.1
#2	2764.7	29773.	7543.0
#3	2760.6	29821.	7551.4

Sample Name: 460-131612-A-5-B@4 Acquired: 4/21/2017 20:16:09 Type: Unk
Method: xin_sw030317(v53) 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	**23710.**	**60.59**	**-.5215**	**63.27**	**2.103**	**772.1**
Stddev	99.	1.07	.1176	.37	.060	8.6
%RSD	.4167	1.769	22.54	.5851	2.853	1.110
#1	23600.	59.92	-.5087	63.61	2.035	762.6
#2	23730.	60.03	-.6449	62.87	2.127	774.2
#3	23800.	61.83	-.4108	63.33	2.148	779.3
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.258**	**6.590**	**92.94**	**20.59**	**66880.**	**10400.**
Stddev	.141	.111	.33	.19	119.	43.
%RSD	11.20	1.691	.3581	.9328	.1776	.4093
#1	-1.368	6.718	93.00	20.75	66940.	10380.
#2	-1.307	6.524	92.58	20.38	66950.	10370.
#3	-1.099	6.526	93.24	20.66	66740.	10450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-5-B@4 Acquired: 4/21/2017 20:16:09 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4905.**	**113.0**	**118.6**	**12.77**	**51.72**	**1.340**
Stddev	26.	.5	6.7	.44	.83	.256
%RSD	.5320	.4233	5.676	3.465	1.597	19.12
#1	4877.	112.4	114.9	12.26	51.56	1.599
#2	4908.	113.2	126.3	13.04	50.99	1.087
#3	4929.	113.3	114.5	13.02	52.62	1.333
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	**5.171**	**-4.701**	**83.23**	**100.2**	**76.20**	**6.159**
Stddev	.340	2.116	.45	1.0	1.03	.202
%RSD	6.579	45.01	.5358	1.030	1.347	3.285
#1	4.871	-2.351	83.23	99.61	75.21	5.984
#2	5.540	-6.455	83.68	99.55	76.15	6.114
#3	5.102	-5.295	82.79	101.4	77.26	6.381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-5-B@4 Acquired: 4/21/2017 20:16:09 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.024**	**12.12**	**226.9**	**2272.**
Stddev	.591	.12	1.0	32.
%RSD	7.367	1.010	.4493	1.423
#1	7.507	12.06	226.3	2235.
#2	7.896	12.26	228.0	2296.
#3	8.668	12.04	226.3	2285.
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	**2764.0**	**29812.**	**7618.8**
Stddev	7.1	14.	65.3
%RSD	.25863	.04641	.85660
#1	2764.2	29808.	7610.6
#2	2771.1	29827.	7687.8
#3	2756.8	29800.	7558.0

Sample Name: 460-131612-A-7-B@4 Acquired: 4/21/2017 20:24:00 Type: Unk
Method: xin_sw030317(v53) 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	**10060.**	**23.82**	**-.3597**	**27.84**	**1.052**	**196.6**
Stddev	82.	.62	.2888	.28	.059	11.5
%RSD	.8181	2.600	80.29	.9919	5.573	5.863
#1	9966.	23.12	-.1631	27.76	1.033	183.3
#2	10070.	24.05	-.6912	27.60	1.004	203.5
#3	10130.	24.30	-.2247	28.14	1.117	203.0
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6384**	**1.712**	**34.43**	**10.91**	**34540.**	**3297.**
Stddev	.0395	.307	.66	.37	215.	33.
%RSD	6.180	17.94	1.926	3.388	.6231	.9946
#1	-.6810	1.576	33.72	10.49	34370.	3326.
#2	-.6311	2.063	34.54	11.06	34470.	3261.
#3	-.6031	1.496	35.04	11.18	34780.	3302.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-7-B@4 Acquired: 4/21/2017 20:24:00 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1907.**	**175.8**	**63.20**	**3.884**	**94.82**	**1.641**
Stddev	15.	1.0	4.75	.282	1.68	.999
%RSD	.7951	.5838	7.522	7.260	1.767	60.85
#1	1892.	177.0	67.11	4.186	94.98	1.095
#2	1906.	175.0	64.58	3.840	93.08	2.794
#3	1922.	175.4	57.91	3.627	96.42	1.035
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	**2.392**	**-2.381**	**54.98**	**52.16**	**23.92**	**2.061**
Stddev	2.065	.882	.43	.36	.56	.176
%RSD	86.31	37.05	.7855	.6992	2.331	8.533
#1	.0286	-1.431	54.60	52.15	23.68	2.192
#2	3.303	-2.537	54.89	51.80	23.52	1.861
#3	3.845	-3.174	55.45	52.53	24.56	2.130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-7-B@4 Acquired: 4/21/2017 20:24:00 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.154**	**4.353**	**165.8**	**1956.**
Stddev	.758	.059	2.7	35.
%RSD	10.60	1.362	1.622	1.802
#1	6.548	4.299	163.8	1921.
#2	6.911	4.345	164.8	1955.
#3	8.004	4.416	168.9	1992.
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	**2777.8**	**29719.**	**7626.4**
Stddev	9.4	144.	8.2
%RSD	.33892	.48347	.10706
#1	2783.8	29651.	7618.3
#2	2782.6	29884.	7626.2
#3	2766.9	29622.	7634.6

Sample Name: MB 460-432023/1-A@2 Acquired: 4/21/2017 19:25:53 Type: Unk
Method: xin_sw030317(v53) 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	**.6454**	**1.048**	**-.3759**	**-.0343**	**.0930**	**-12.13**
Stddev	7.491	2.518	.4645	.0958	.0651	3.55
%RSD	1161.	240.3	123.6	279.7	69.97	29.31
#1	1.185	3.850	-.4832	.0184	.1547	-8.794
#2	-7.101	.3209	-.7773	.0237	.0995	-15.87
#3	7.852	-1.027	.1328	-.1448	.0250	-11.73
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0742**	**.0926**	**.0616**	**-.6959**	**7.638**	**-31.14**
Stddev	.0147	.2467	.2534	.2261	6.786	7.06
%RSD	19.86	266.6	411.6	32.49	88.84	22.66
#1	-.0691	-.1909	.2921	-.6274	11.65	-31.46
#2	-.0626	.2096	-.2098	-.5120	11.46	-23.93
#3	-.0907	.2590	.1024	-.9483	-.1969	-38.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-432023/1-A@2 Acquired: 4/21/2017 19:25:53 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-4.689**	**.0401**	**-27.66**	**-.5199**	**-.8021**	**1.971**
Stddev	3.856	.0136	6.70	.1088	.9794	1.654
%RSD	82.25	33.80	24.22	20.93	122.1	83.90
#1	-.8793	.0343	-19.95	-.3969	-1.205	.0676
#2	-8.591	.0557	-30.87	-.5593	-1.516	3.055
#3	-4.596	.0305	-32.14	-.6036	.3146	2.791
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	**-.7796**	**-1.398**	**-.0449**	**.0910**	**.1492**	**-.2003**
Stddev	1.051	1.847	.5043	.0520	.3998	.0552
%RSD	134.8	132.1	1124.	57.15	267.9	27.54
#1	-.7249	.5628	-.4127	.1119	-.3005	-.1383
#2	.2427	-3.106	-.2519	.1293	.2839	-.2439
#3	-1.856	-1.652	.5300	.0318	.4644	-.2188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: MB 460-432023/1-A@2 Acquired: 4/21/2017 19:25:53 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.9563**	**-.0073**	**.0045**	**14.91**
Stddev	.4789	.0488	.2112	4.01
%RSD	50.08	666.9	4688.	26.90
#1	1.108	.0277	.0917	17.71
#2	.4200	.0135	.1582	10.31
#3	1.341	-.0631	-.2363	16.69
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	**2807.1**	**29977.**	**7657.1**
Stddev	12.5	112.	33.6
%RSD	.44385	.37288	.43815
#1	2815.1	30106.	7695.8
#2	2813.5	29911.	7638.7
#3	2792.8	29914.	7636.8

Sample Name: LCSSRM 460-432023/2- Acquired: 4/21/2017 19:29:54 Type: Unk
Method: xin_sw030317(v53) 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	**31640.**	**290.4**	**281.1**	**566.8**	**340.1**	**32520.**
Stddev	36.	3.0	.4	1.1	.9	201.
%RSD	.1145	1.030	.1411	.1947	.2726	.6171
#1	31640.	293.5	281.4	568.0	339.1	32520.
#2	31680.	287.5	280.7	565.8	340.9	32730.
#3	31600.	290.1	281.3	566.5	340.2	32320.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**399.4**	**315.2**	**345.8**	**286.5**	**79930.**	**10760.**
Stddev	1.1	.4	1.2	.6	283.	69.
%RSD	.2630	.1419	.3346	.2042	.3544	.6435
#1	400.6	315.4	345.0	286.8	79700.	10840.
#2	398.6	314.6	347.1	285.8	80250.	10750.
#3	399.0	315.4	345.3	286.9	79840.	10700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-432023/2- Acquired: 4/21/2017 19:29:54 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**12300.**	**1345.**	**4472.**	**336.7**	**425.6**	**750.5**
Stddev	66.	6.	20.	.7	2.2	1.9
%RSD	.5386	.4236	.4382	.2009	.5111	.2543
#1	12310.	1348.	4483.	336.9	427.7	749.4
#2	12350.	1349.	4483.	335.9	423.4	749.5
#3	12220.	1338.	4449.	337.2	425.9	752.7
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	**412.8**	**1022.**	**297.8**	**1094.**	**420.4**	**312.1**
Stddev	6.3	3.	.7	5.	3.5	3.1
%RSD	1.535	.3421	.2262	.4283	.8217	1.006
#1	409.0	1018.	297.0	1100.	417.0	308.9
#2	409.3	1023.	298.2	1093.	420.2	312.3
#3	420.1	1025.	298.1	1091.	423.9	315.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCSSRM 460-432023/2- Acquired: 4/21/2017 19:29:54 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**872.7**	**436.5**	**1550.**	**2149.**
Stddev	6.8	1.7	3.	33.
%RSD	.7792	.3866	.1778	1.533
#1	864.9	438.1	1547.	2164.
#2	875.9	436.6	1552.	2172.
#3	877.2	434.7	1552.	2112.
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	**2827.0**	**30506.**	**7897.1**
Stddev	12.4	283.	61.6
%RSD	.44019	.92641	.78049
#1	2815.7	30469.	7967.5
#2	2824.9	30245.	7870.9
#3	2840.3	30806.	7852.9

Sample Name: 460-131612-A-12-B@4 Acquired: 4/21/2017 20:55:10 Type: Unk
Method: xin_sw030317(v53) 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	**28350.**	**62.61**	**-.2923**	**88.64**	**2.493**	**2619.**
Stddev	88.	.28	.2955	.54	.057	27.
%RSD	.3092	.4418	101.1	.6062	2.286	1.017
#1	28260.	62.60	-.3690	88.13	2.443	2614.
#2	28430.	62.34	-.5419	88.59	2.479	2594.
#3	28370.	62.90	.0340	89.20	2.555	2647.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.710**	**4.019**	**106.2**	**6.852**	**115100.**	**7056.**
Stddev	.062	.228	.9	.476	788.	17.
%RSD	3.619	5.680	.8009	6.943	.6850	.2389
#1	-1.722	3.756	105.2	7.021	114400.	7038.
#2	-1.765	4.173	106.7	7.220	114900.	7058.
#3	-1.643	4.126	106.6	6.315	115900.	7072.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-12-B@4 Acquired: 4/21/2017 20:55:10 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5302.**	**133.0**	**22.31**	**9.017**	**45.87**	**2.437**
Stddev	66.	1.4	1.39	.360	1.40	.680
%RSD	1.254	1.058	6.250	3.997	3.060	27.90
#1	5226.	131.3	23.71	8.685	47.29	3.077
#2	5341.	133.7	22.30	9.400	45.83	1.723
#3	5340.	133.8	20.92	8.965	44.49	2.510
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	**3.780**	**-7.632**	**143.5**	**80.77**	**53.92**	**3.424**
Stddev	2.295	1.222	1.4	.28	.48	.392
%RSD	60.72	16.01	.9462	.3441	.8885	11.43
#1	1.312	-6.632	142.0	80.46	53.38	3.427
#2	5.850	-8.994	144.4	80.85	54.14	3.031
#3	4.176	-7.269	144.2	81.00	54.26	3.814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-12-B@4 Acquired: 4/21/2017 20:55:10 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.082**	**12.14**	**221.5**	**1884.**
Stddev	.101	.07	2.4	38.
%RSD	1.107	.5424	1.072	2.037
#1	9.124	12.19	218.9	1840.
#2	9.155	12.07	222.1	1903.
#3	8.967	12.18	223.5	1909.
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	**2754.1**	**29816.**	**7612.1**
Stddev	16.4	114.	62.9
%RSD	.59723	.38178	.82597
#1	2746.4	29689.	7582.2
#2	2742.8	29909.	7569.7
#3	2772.9	29849.	7684.4

Sample Name: 460-131612-A-1-C DU Acquired: 4/21/2017 19:33:32 Type: Unk
Method: xin_sw030317(v53) 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	**9968.**	**38.79**	**-.2828**	**41.16**	**1.224**	**736.7**
Stddev	42.	1.49	.0739	.17	.020	3.0
%RSD	.4249	3.848	26.14	.4194	1.665	.4065
#1	9955.	37.16	-.3313	40.99	1.246	734.2
#2	10020.	39.13	-.1977	41.15	1.218	740.0
#3	9935.	40.09	-.3195	41.34	1.207	735.9
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6774**	**1.866**	**47.52**	**14.31**	**34360.**	**4783.**
Stddev	.0575	.184	.45	.23	134.	32.
%RSD	8.494	9.867	.9544	1.597	.3884	.6701
#1	-.6407	1.813	47.10	14.14	34420.	4751.
#2	-.7437	1.713	47.47	14.57	34200.	4815.
#3	-.6477	2.070	48.00	14.23	34450.	4782.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-1-C DU Acquired: 4/21/2017 19:33:32 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2188.**	**91.46**	**52.20**	**4.163**	**67.05**	**1.838**
Stddev	26.	1.09	5.59	.289	1.61	1.459
%RSD	1.202	1.192	10.70	6.931	2.405	79.40
#1	2169.	90.51	52.70	3.839	68.24	.1538
#2	2177.	91.21	46.37	4.391	65.22	2.728
#3	2218.	92.65	57.51	4.260	67.69	2.632
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	**.4705**	**-2.353**	**45.09**	**58.79**	**36.04**	**2.062**
Stddev	2.300	2.050	.55	.39	.52	.091
%RSD	488.9	87.14	1.225	.6661	1.436	4.419
#1	-1.501	-.0741	44.45	58.36	35.86	1.962
#2	2.998	-4.048	45.46	58.86	36.62	2.140
#3	-.0846	-2.936	45.35	59.14	35.63	2.084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-1-C DU Acquired: 4/21/2017 19:33:32 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.062**	**5.944**	**159.7**	**1980.**
Stddev	.755	.025	1.7	21.
%RSD	10.70	.4233	1.057	1.041
#1	6.939	5.914	158.1	1980.
#2	7.871	5.958	159.5	1959.
#3	6.376	5.958	161.5	2000.
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	**2776.4**	**29985.**	**7698.2**
Stddev	4.3	41.	22.9
%RSD	.15637	.13612	.29731
#1	2777.8	30027.	7720.5
#2	2779.9	29945.	7674.8
#3	2771.6	29982.	7699.4

Sample Name: 460-131612-A-17-B@4 Acquired: 4/21/2017 21:14:42 Type: Unk
Method: xin_sw030317(v53) 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	**15160.**	**46.84**	**-.3599**	**94.04**	**1.727**	**1435.**
Stddev	50.	1.11	.4149	.13	.118	9.
%RSD	.3317	2.365	115.3	.1391	6.846	.6104
#1	15130.	45.57	-.1619	93.96	1.782	1427.
#2	15220.	47.51	-.8368	93.97	1.592	1434.
#3	15140.	47.46	-.0810	94.19	1.808	1444.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6915**	**3.629**	**64.22**	**12.05**	**51890.**	**4865.**
Stddev	.0741	.212	.63	.18	200.	16.
%RSD	10.71	5.839	.9867	1.529	.3858	.3305
#1	-.6159	3.454	64.58	12.15	52120.	4847.
#2	-.7639	3.570	64.60	11.84	51790.	4879.
#3	-.6948	3.865	63.49	12.16	51760.	4867.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-17-B@4 Acquired: 4/21/2017 21:14:42 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3026.**	**143.7**	**133.3**	**6.645**	**89.36**	**1.204**
Stddev	29.	1.6	6.4	.353	1.12	1.415
%RSD	.9461	1.092	4.771	5.313	1.252	117.5
#1	3003.	142.1	140.2	6.240	89.77	2.519
#2	3058.	145.2	131.7	6.888	88.09	-.2928
#3	3018.	143.9	127.8	6.808	90.21	1.386
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	**2.057**	**-3.955**	**65.60**	**83.01**	**36.18**	**2.231**
Stddev	1.068	.571	.84	.27	.53	.099
%RSD	51.90	14.45	1.284	.3239	1.451	4.420
#1	3.031	-3.553	65.16	82.71	35.79	2.281
#2	2.225	-4.609	66.57	83.23	36.78	2.117
#3	.9157	-3.703	65.07	83.08	35.96	2.295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-17-B@4 Acquired: 4/21/2017 21:14:42 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.197**	**10.77**	**168.8**	**1956.**
Stddev	.823	.09	1.5	13.
%RSD	10.04	.8339	.8973	.6731
#1	8.921	10.67	168.7	1941.
#2	7.302	10.81	170.4	1960.
#3	8.369	10.83	167.4	1966.
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	**2842.4**	**30372.**	**7748.1**
Stddev	11.4	242.	25.9
%RSD	.40191	.79740	.33394
#1	2834.8	30149.	7763.1
#2	2836.9	30339.	7718.2
#3	2855.6	30629.	7763.0

Sample Name: 460-131612-A-19-B@4 Acquired: 4/21/2017 21:22:32 Type: Unk
Method: xin_sw030317(v53) 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	**17140.**	**30.68**	**-.3997**	**59.74**	**1.926**	**906.2**
Stddev	8.	2.63	.2858	.09	.081	6.5
%RSD	.0491	8.582	71.50	.1485	4.188	.7134
#1	17130.	32.83	-.4953	59.84	1.957	900.2
#2	17150.	31.46	-.0784	59.68	1.986	913.1
#3	17140.	27.75	-.6256	59.70	1.834	905.4
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7254**	**2.560**	**53.85**	**10.64**	**48260.**	**3607.**
Stddev	.0817	.241	.58	.16	45.	21.
%RSD	11.26	9.404	1.083	1.536	.0935	.5861
#1	-.6367	2.707	53.44	10.59	48220.	3626.
#2	-.7418	2.691	54.52	10.82	48310.	3584.
#3	-.7976	2.282	53.59	10.50	48260.	3610.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-19-B@4 Acquired: 4/21/2017 21:22:32 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2880.**	**245.2**	**56.67**	**6.373**	**104.9**	**2.193**
Stddev	11.	.4	8.17	.543	1.3	.977
%RSD	.3754	.1585	14.41	8.520	1.267	44.56
#1	2868.	245.0	50.46	5.747	105.2	1.065
#2	2884.	245.6	53.64	6.675	103.4	2.749
#3	2889.	244.9	65.92	6.698	106.0	2.766
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	**2.524**	**-3.483**	**71.98**	**93.73**	**27.20**	**2.012**
Stddev	1.651	.548	.70	.85	.39	.182
%RSD	65.39	15.74	.9680	.9085	1.428	9.027
#1	3.427	-3.144	71.20	93.00	27.13	2.102
#2	.6192	-4.116	72.21	93.54	26.85	2.132
#3	3.527	-3.189	72.53	94.67	27.62	1.803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-19-B@4 Acquired: 4/21/2017 21:22:32 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.446**	**6.472**	**191.7**	**1717.**
Stddev	.364	.043	.6	11.
%RSD	4.885	.6647	.3117	.6373
#1	7.122	6.425	191.1	1721.
#2	7.839	6.484	192.3	1705.
#3	7.377	6.508	191.7	1726.
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	**2774.4**	**29755.**	**7566.1**
Stddev	5.2	43.	42.2
%RSD	.18710	.14557	.55838
#1	2770.5	29770.	7613.8
#2	2772.4	29707.	7551.1
#3	2780.2	29790.	7533.4

Sample Name: CCV Acquired: 4/21/2017 21:34:19 Type: QC
Method: xin_sw030317(v53) 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	**128400.**	**2550.**	**1288.**	**10410.**	**1009.**	**128800.**
Stddev	365.	4.	3.	33.	4.	728.
%RSD	.2843	.1627	.2715	.3170	.4135	.5651
#1	128000.	2552.	1284.	10370.	1005.	128000.
#2	128500.	2553.	1288.	10440.	1010.	129500.
#3	128700.	2545.	1291.	10410.	1013.	129000.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1293.**	**2558.**	**5253.**	**12670.**	**105900.**	**49860.**
Stddev	4.	7.	25.	18.	378.	217.
%RSD	.2769	.2825	.4722	.1437	.3566	.4347
#1	1292.	2552.	5225.	12690.	105400.	49640.
#2	1297.	2566.	5274.	12660.	106000.	49870.
#3	1291.	2556.	5259.	12670.	106100.	50070.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 21:34:19 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**129900.**	**5154.**	**127900.**	**2613.**	**7792.**	**1000.**
Stddev	508.	23.	449.	6.	29.	4.
%RSD	.3915	.4539	.3511	.2447	.3735	.3583
#1	129300.	5131.	127400.	2607.	7767.	996.2
#2	130300.	5178.	127900.	2620.	7824.	1003.
#3	130100.	5152.	128300.	2611.	7786.	1002.
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	**2579.**	**2661.**	**2562.**	**2695.**	**1035.**	**2568.**
Stddev	2.	9.	5.	15.	3.	7.
%RSD	.0858	.3236	.1861	.5473	.2428	.2879
#1	2577.	2657.	2560.	2685.	1032.	2560.
#2	2582.	2671.	2568.	2712.	1035.	2574.
#3	2580.	2655.	2559.	2688.	1037.	2569.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 21:34:19 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1037.**	**5037.**	**10680.**	**9678.**
Stddev	1.	18.	43.	11.
%RSD	.0657	.3573	.3979	.1186
#1	1036.	5021.	10640.	9664.
#2	1037.	5033.	10680.	9684.
#3	1038.	5057.	10730.	9685.
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	**2627.3**	**27935.**	**7418.2**
Stddev	7.7	157.	42.3
%RSD	.29437	.56233	.57000
#1	2631.3	28116.	7464.7
#2	2618.4	27837.	7382.1
#3	2632.2	27852.	7407.7

Sample Name: 460-131612-A-1-B@4 Acquired: 4/21/2017 19:37:27 Type: Unk
Method: xin_sw030317(v53) 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	**9844.**	**34.39**	**-.4608**	**40.68**	**1.233**	**724.2**
Stddev	19.	2.08	.4112	.19	.063	5.1
%RSD	.1979	6.057	89.24	.4570	5.115	.7001
#1	9857.	32.45	-.9224	40.82	1.305	720.3
#2	9854.	36.59	-.1333	40.74	1.205	729.9
#3	9822.	34.14	-.3269	40.47	1.188	722.3
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5457**	**1.772**	**46.45**	**14.23**	**33920.**	**4721.**
Stddev	.0599	.051	.44	.25	101.	8.
%RSD	10.97	2.888	.9530	1.736	.2985	.1792
#1	-.6049	1.797	46.67	14.36	34030.	4723.
#2	-.5470	1.806	46.74	13.94	33880.	4712.
#3	-.4852	1.713	45.94	14.38	33840.	4728.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-1-B@4 Acquired: 4/21/2017 19:37:27 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2186.**	**90.96**	**56.32**	**3.978**	**64.86**	**1.490**
Stddev	3.	.32	1.99	.465	1.09	2.939
%RSD	.1319	.3528	3.525	11.70	1.675	197.3
#1	2187.	90.73	54.69	4.114	63.63	4.240
#2	2182.	90.82	58.53	4.359	65.68	-1.608
#3	2188.	91.32	55.73	3.459	65.27	1.836
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	**.7732**	**-3.160**	**44.18**	**58.09**	**34.88**	**1.987**
Stddev	2.629	1.141	.30	.44	.72	.122
%RSD	340.1	36.11	.6878	.7564	2.078	6.135
#1	-2.014	-4.310	43.83	57.63	34.14	1.921
#2	1.124	-3.141	44.30	58.14	34.92	1.913
#3	3.210	-2.028	44.40	58.50	35.58	2.128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-1-B@4 Acquired: 4/21/2017 19:37:27 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.529**	**5.826**	**158.0**	**1948.**
Stddev	.540	.081	.5	13.
%RSD	7.167	1.393	.3341	.6749
#1	6.907	5.776	158.4	1953.
#2	7.878	5.920	157.4	1958.
#3	7.800	5.783	158.2	1933.
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	**2781.1**	**30018.**	**7678.4**
Stddev	3.7	79.	20.3
%RSD	.13375	.26205	.26427
#1	2781.3	29928.	7682.4
#2	2777.3	30075.	7696.4
#3	2784.7	30050.	7656.4

Sample Name: sd 460-131612-A-1-B Acquired: 4/21/2017 19:41:22 Type: Unk
Method: xin_sw030317(v53) 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	**1913.**	**7.900**	**-.4242**	**7.971**	**.3183**	**137.0**
Stddev	44.	1.217	.2713	.145	.0335	7.2
%RSD	2.304	15.40	63.94	1.824	10.51	5.245
#1	1878.	6.507	-.5452	7.957	.2803	131.3
#2	1899.	8.757	-.6140	7.833	.3312	134.7
#3	1962.	8.434	-.1135	8.123	.3434	145.1
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2160**	**.4142**	**9.199**	**2.513**	**6721.**	**901.3**
Stddev	.0754	.1490	.190	.253	121.	14.9
%RSD	34.90	35.97	2.062	10.05	1.800	1.647
#1	-.3031	.5862	8.981	2.627	6594.	886.7
#2	-.1709	.3252	9.331	2.224	6735.	916.4
#3	-.1741	.3312	9.284	2.689	6835.	900.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-131612-A-1-B Acquired: 4/21/2017 19:41:22 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**426.1**	**17.88**	**-22.22**	**.7155**	**13.09**	**.0870**
Stddev	8.7	.38	4.36	.5372	2.07	1.033
%RSD	2.052	2.112	19.60	75.08	15.81	1187.
#1	416.8	17.47	-24.08	.0971	14.38	-.8286
#2	427.4	17.94	-17.24	.9828	10.70	1.207
#3	434.2	18.22	-25.33	1.067	14.19	-.1175
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	**-1.016**	**-1.641**	**8.872**	**11.85**	**6.701**	**.2547**
Stddev	1.360	2.152	.327	.19	.257	.1299
%RSD	133.9	131.1	3.681	1.562	3.828	51.01
#1	-1.279	.7611	8.518	11.68	6.408	.3519
#2	.4564	-2.294	9.162	12.05	6.812	.3050
#3	-2.226	-3.391	8.937	11.84	6.884	.1071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-131612-A-1-B Acquired: 4/21/2017 19:41:22 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**2.026**	**1.224**	**30.78**	**392.6**
Stddev	.632	.014	.53	11.5
%RSD	31.19	1.175	1.708	2.917
#1	1.960	1.209	30.18	381.3
#2	2.689	1.237	31.18	392.3
#3	1.430	1.225	30.97	404.2
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	**2787.3**	**30100.**	**7617.2**
Stddev	7.8	125.	60.9
%RSD	.27910	.41560	.79885
#1	2794.9	30243.	7657.5
#2	2787.8	30048.	7646.9
#3	2779.3	30011.	7547.2

Sample Name: pds 460-131612-A-1-B Acquired: 4/21/2017 19:49:06 Type: Unk
Method: xin_sw030317(v53) 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	**11880.**	**2037.**	**49.61**	**2170.**	**52.82**	**20730.**
Stddev	41.	1.	.39	2.	.03	132.
%RSD	.3463	.0505	.7913	.0963	.0608	.6386
#1	11930.	2036.	50.03	2170.	52.83	20590.
#2	11870.	2038.	49.56	2168.	52.78	20770.
#3	11850.	2037.	49.25	2172.	52.84	20840.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**51.43**	**528.7**	**261.1**	**267.6**	**34430.**	**24170.**
Stddev	.15	1.5	1.0	.3	125.	46.
%RSD	.3012	.2892	.3908	.0948	.3637	.1918
#1	51.32	527.1	260.1	267.4	34290.	24160.
#2	51.35	529.0	262.1	267.9	34520.	24220.
#3	51.61	530.1	261.1	267.5	34490.	24130.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-131612-A-1-B Acquired: 4/21/2017 19:49:06 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**22210.**	**597.0**	**20220.**	**546.4**	**574.7**	**481.8**
Stddev	115.	4.3	51.	1.2	1.7	3.2
%RSD	.5161	.7262	.2543	.2206	.2916	.6565
#1	22080.	592.2	20280.	546.6	575.8	482.5
#2	22240.	598.3	20180.	547.5	575.6	478.4
#3	22300.	600.6	20200.	545.1	572.8	484.6
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	**2020.**	**2224.**	**565.0**	**618.3**	**542.4**	**532.8**
Stddev	11.	5.	2.0	.6	1.0	.4
%RSD	.5421	.2122	.3515	.0942	.1829	.0678
#1	2008.	2221.	563.0	618.0	542.8	532.4
#2	2028.	2229.	566.9	619.0	543.1	532.8
#3	2025.	2221.	565.0	618.0	541.2	533.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-131612-A-1-B Acquired: 4/21/2017 19:49:06 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**542.3**	**507.3**	**702.3**	**1964.**
Stddev	1.4	1.3	2.7	8.
%RSD	.2556	.2660	.3876	.4069
#1	541.8	508.7	699.4	1969.
#2	541.2	506.0	704.7	1967.
#3	543.8	507.2	702.9	1954.
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	**2731.3**	**29241.**	**7563.8**
Stddev	10.8	67.	30.7
%RSD	.39530	.22830	.40642
#1	2720.9	29182.	7561.9
#2	2730.6	29228.	7534.0
#3	2742.4	29314.	7595.4

Sample Name: CCV Acquired: 4/21/2017 19:52:45 Type: QC
Method: xin_sw030317(v53) 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	**128000.**	**2535.**	**1283.**	**10370.**	**1002.**	**127300.**
Stddev	202.	7.	3.	13.	.	497.
%RSD	.1578	.2880	.2715	.1260	.0491	.3900
#1	127800.	2536.	1286.	10360.	1002.	127300.
#2	127900.	2542.	1279.	10370.	1003.	126800.
#3	128200.	2527.	1284.	10390.	1002.	127800.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1284.**	**2535.**	**5198.**	**12590.**	**104900.**	**49520.**
Stddev	1.	2.	19.	7.	309.	224.
%RSD	.0534	.0893	.3735	.0572	.2948	.4523
#1	1283.	2533.	5198.	12600.	105000.	49290.
#2	1284.	2535.	5178.	12580.	104600.	49540.
#3	1283.	2538.	5217.	12590.	105200.	49730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 19:52:45 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**128600.**	**5108.**	**127500.**	**2595.**	**7766.**	**994.7**
Stddev	349.	12.	422.	3.	2.	4.5
%RSD	.2711	.2413	.3308	.1231	.0216	.4538
#1	128600.	5108.	127100.	2592.	7767.	995.3
#2	128200.	5095.	127500.	2598.	7768.	998.8
#3	128900.	5120.	127900.	2595.	7765.	989.9
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	**2561.**	**2665.**	**2531.**	**2672.**	**1031.**	**2555.**
Stddev	7.	10.	6.	2.	1.	3.
%RSD	.2559	.3751	.2266	.0773	.0824	.1103
#1	2562.	2662.	2533.	2674.	1031.	2552.
#2	2567.	2657.	2525.	2672.	1032.	2554.
#3	2554.	2676.	2536.	2670.	1031.	2558.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 19:52:45 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1031.**	**5019.**	**10570.**	**9654.**
Stddev	2.	21.	66.	45.
%RSD	.2244	.4196	.6219	.4628
#1	1033.	4996.	10620.	9603.
#2	1028.	5025.	10590.	9677.
#3	1032.	5038.	10490.	9683.
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	**2631.9**	**28185.**	**7549.5**
Stddev	8.2	162.	31.3
%RSD	.31277	.57497	.41493
#1	2633.8	28141.	7516.0
#2	2639.1	28364.	7578.0
#3	2622.9	28049.	7554.5

Sample Name: CCVL Acquired: 4/21/2017 20:00:25 Type: QC
Method: xin_sw030317(v53) 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	**232.8**	**15.21**	**10.47**	**223.3**	**2.234**	**5297.**
Stddev	12.7	1.26	.29	.4	.046	19.
%RSD	5.470	8.307	2.732	.1787	2.078	.3526
#1	247.5	14.99	10.14	222.9	2.249	5305.
#2	225.5	14.07	10.62	223.3	2.270	5310.
#3	225.4	16.57	10.65	223.7	2.182	5275.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.370**	**56.22**	**11.67**	**26.30**	**181.6**	**5067.**
Stddev	.096	.93	.40	.21	2.9	31.
%RSD	2.191	1.649	3.413	.7867	1.584	.6140
#1	4.457	55.34	11.46	26.31	184.5	5045.
#2	4.268	56.14	12.13	26.09	181.5	5103.
#3	4.386	57.19	11.42	26.50	178.8	5054.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 20:00:25 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5311.**	**16.48**	**5124.**	**45.94**	**9.732**	**21.98**
Stddev	38.	.12	20.	.96	.608	.31
%RSD	.7071	.7237	.3876	2.091	6.244	1.425
#1	5273.	16.40	5134.	45.26	10.32	21.62
#2	5348.	16.62	5137.	45.53	9.108	22.14
#3	5314.	16.42	5101.	47.04	9.767	22.19
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	**19.94**	**24.17**	**54.47**	**35.39**	**53.92**	**22.29**
Stddev	3.33	1.69	.33	.63	.97	.02
%RSD	16.70	7.006	.6088	1.768	1.801	.0783
#1	18.69	24.54	54.11	34.86	53.23	22.29
#2	23.72	22.32	54.77	35.24	53.50	22.27
#3	17.42	25.64	54.51	36.08	55.03	22.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 20:00:25 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**57.03**	**21.35**	**24.20**	F **27.61**
Stddev	1.25	.17	.22	1.62
%RSD	2.183	.7963	.9044	5.862
#1	55.89	21.42	23.94	26.28
#2	56.86	21.46	24.33	27.14
#3	58.36	21.15	24.32	29.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2752.6**	**29461.**	**7517.2**
Stddev	3.7	149.	77.4
%RSD	.13347	.50671	1.0293
#1	2750.7	29391.	7477.7
#2	2756.8	29360.	7467.6
#3	2750.3	29633.	7606.4

Sample Name: 460-131612-A-3-B@4 Acquired: 4/21/2017 20:08:19 Type: Unk
Method: xin_sw030317(v53) 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	**22680.**	**44.04**	**-.7249**	**238.3**	**1.825**	**1050.**
Stddev	209.	2.29	.3751	1.7	.041	12.
%RSD	.9195	5.207	51.74	.7259	2.230	1.148
#1	22450.	43.58	-.8109	236.5	1.783	1039.
#2	22730.	46.53	-1.049	238.5	1.864	1048.
#3	22850.	42.01	-.3142	240.0	1.829	1063.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-2.221**	**4.766**	**74.77**	**13.17**	**120000.**	**9543.**
Stddev	.107	.263	.67	.42	1167.	86.
%RSD	4.819	5.528	.8944	3.223	.9720	.9010
#1	-2.104	5.070	74.01	13.45	118700.	9446.
#2	-2.245	4.605	75.23	12.68	120400.	9609.
#3	-2.314	4.622	75.08	13.37	121000.	9574.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-3-B@4 Acquired: 4/21/2017 20:08:19 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5171.**	**163.1**	**65.57**	**13.65**	**254.5**	**.9417**
Stddev	71.	2.5	5.98	.77	2.8	2.077
%RSD	1.365	1.541	9.117	5.640	1.082	220.5
#1	5103.	160.8	69.56	12.78	251.6	2.821
#2	5166.	162.7	58.70	13.95	254.9	-1.288
#3	5244.	165.8	68.46	14.23	257.1	1.292
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	**3.409**	**-8.640**	**76.27**	**74.69**	**55.25**	**5.844**
Stddev	.590	1.265	1.46	.99	1.40	.133
%RSD	17.31	14.64	1.913	1.319	2.532	2.278
#1	4.088	-8.465	74.67	73.68	54.87	5.812
#2	3.113	-9.983	76.61	74.76	54.07	5.730
#3	3.025	-7.471	77.53	75.65	56.79	5.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-3-B@4 Acquired: 4/21/2017 20:08:19 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**10.58**	**29.67**	**266.7**	**2296.**
Stddev	1.16	.29	1.9	15.
%RSD	10.99	.9684	.7203	.6521
#1	9.317	29.35	264.5	2280.
#2	10.84	29.90	267.5	2297.
#3	11.60	29.77	268.0	2310.
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	**2761.7**	**29794.**	**7565.7**
Stddev	3.8	23.	37.1
%RSD	.13932	.07860	.49011
#1	2757.7	29799.	7608.5
#2	2762.1	29768.	7544.9
#3	2765.4	29814.	7543.7

Sample Name: 460-131612-A-4-B@4 Acquired: 4/21/2017 20:12:14 Type: Unk
Method: xin_sw030317(v53) 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	**18690.**	**43.11**	**-.4890**	**59.76**	**1.759**	**3187.**
Stddev	30.	1.45	.3404	.19	.025	6.
%RSD	.1613	3.355	69.61	.3109	1.424	.1875
#1	18720.	44.39	-.2711	59.98	1.737	3191.
#2	18660.	43.39	-.3146	59.66	1.786	3180.
#3	18700.	41.54	-.8812	59.65	1.755	3189.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6150**	**4.076**	**75.38**	**17.21**	**48800.**	**7894.**
Stddev	.0848	.185	.80	.57	98.	13.
%RSD	13.80	4.548	1.059	3.295	.2006	.1691
#1	-.5188	4.091	74.68	16.64	48910.	7881.
#2	-.6794	3.883	75.22	17.22	48740.	7893.
#3	-.6467	4.253	76.25	17.77	48750.	7908.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-4-B@4 Acquired: 4/21/2017 20:12:14 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4504.**	**154.1**	**61.64**	**10.22**	**55.79**	**2.401**
Stddev	10.	.6	5.58	.35	.61	1.052
%RSD	.2196	.4013	9.056	3.403	1.101	43.82
#1	4494.	153.4	55.26	10.24	55.83	1.294
#2	4514.	154.6	65.64	10.55	55.15	2.523
#3	4504.	154.2	64.02	9.859	56.38	3.388
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	**1.713**	**-2.984**	**65.13**	**96.98**	**59.23**	**3.022**
Stddev	2.690	.940	.40	.95	.27	.085
%RSD	157.1	31.50	.6131	.9773	.4588	2.804
#1	3.580	-2.882	64.70	96.14	59.52	2.958
#2	-1.371	-3.971	65.19	96.79	58.98	2.990
#3	2.929	-2.100	65.49	98.01	59.18	3.118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-4-B@4 Acquired: 4/21/2017 20:12:14 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.047**	**12.98**	**203.7**	**1997.**
Stddev	.496	.03	2.4	24.
%RSD	8.207	.2049	1.165	1.222
#1	5.988	13.01	201.9	1982.
#2	5.583	12.96	206.4	1984.
#3	6.571	12.97	202.8	2025.
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	**2769.3**	**29627.**	**7585.9**
Stddev	3.5	100.	55.0
%RSD	.12506	.33893	.72553
#1	2765.4	29516.	7522.6
#2	2771.7	29711.	7622.3
#3	2771.0	29654.	7612.9

Sample Name: 460-131612-A-6-B@4 Acquired: 4/21/2017 20:20:04 Type: Unk
Method: xin_sw030317(v53) 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	**14290.**	**27.52**	**-.1691**	**70.26**	**1.794**	**527.7**
Stddev	51.	2.05	.3273	.41	.077	10.5
%RSD	.3590	7.433	193.5	.5896	4.277	2.000
#1	14250.	27.15	-.4821	69.81	1.881	515.6
#2	14350.	25.68	-.1961	70.63	1.765	532.1
#3	14280.	29.72	.1708	70.33	1.736	535.3
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.6701**	**3.349**	**56.80**	**15.30**	**47590.**	**5831.**
Stddev	.0194	.283	.60	.23	190.	24.
%RSD	2.903	8.456	1.054	1.509	.3996	.4151
#1	-.6480	3.077	56.21	15.05	47370.	5818.
#2	-.6775	3.642	57.41	15.50	47710.	5859.
#3	-.6847	3.328	56.77	15.35	47690.	5815.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-6-B@4 Acquired: 4/21/2017 20:20:04 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2787.**	**341.3**	**30.14**	**6.673**	**65.24**	**1.894**
Stddev	33.	2.7	10.73	.415	.39	1.025
%RSD	1.170	.7818	35.61	6.213	.5944	54.13
#1	2750.	338.3	33.43	6.465	64.80	.8680
#2	2809.	342.2	18.15	6.403	65.52	1.895
#3	2803.	343.4	38.85	7.150	65.41	2.918
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	**1.996**	**-5.576**	**60.90**	**93.81**	**40.86**	**2.391**
Stddev	2.578	.101	.46	.70	.72	.008
%RSD	129.2	1.815	.7615	.7505	1.753	.3253
#1	.5398	-5.658	60.48	93.06	40.04	2.399
#2	.4754	-5.607	61.40	93.91	41.39	2.391
#3	4.973	-5.463	60.81	94.45	41.15	2.383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-6-B@4 Acquired: 4/21/2017 20:20:04 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.987**	**5.759**	**180.2**	**1887.**
Stddev	.862	.180	2.0	12.
%RSD	10.79	3.132	1.123	.6288
#1	7.322	5.567	177.9	1882.
#2	8.961	5.784	181.6	1879.
#3	7.679	5.925	181.1	1901.
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	**2814.9**	**30107.**	**7687.9**
Stddev	14.2	82.	37.3
%RSD	.50293	.27234	.48527
#1	2798.8	30021.	7651.6
#2	2820.7	30115.	7686.0
#3	2825.3	30184.	7726.2

Sample Name: 460-131612-A-8-B@4 Acquired: 4/21/2017 20:27:58 Type: Unk
Method: xin_sw030317(v53) 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	**14690.**	**37.63**	**.2300**	**58.10**	**1.648**	**248.8**
Stddev	36.	2.60	.3760	.36	.074	8.9
%RSD	.2479	6.909	163.5	.6195	4.514	3.572
#1	14650.	34.91	.5889	58.31	1.682	238.6
#2	14720.	40.10	.2620	58.31	1.698	255.0
#3	14710.	37.87	-.1611	57.68	1.562	252.9
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7612**	**4.375**	**44.77**	**11.66**	**42620.**	**3751.**
Stddev	.1265	.203	.74	.19	99.	18.
%RSD	16.62	4.635	1.645	1.646	.2315	.4874
#1	-.8512	4.542	44.56	11.86	42730.	3732.
#2	-.6166	4.150	44.17	11.64	42550.	3769.
#3	-.8158	4.434	45.59	11.48	42570.	3752.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-8-B@4 Acquired: 4/21/2017 20:27:58 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2424.**	**498.9**	**47.42**	**8.212**	**48.17**	**1.258**
Stddev	6.	.9	7.30	.298	.68	.186
%RSD	.2385	.1861	15.39	3.626	1.418	14.78
#1	2419.	499.5	55.50	8.337	48.58	1.411
#2	2430.	497.8	41.31	7.873	47.38	1.051
#3	2422.	499.3	45.46	8.428	48.54	1.312
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	**3.288**	**-4.592**	**60.50**	**74.36**	**27.60**	**1.801**
Stddev	1.378	2.163	.26	.41	.52	.168
%RSD	41.91	47.10	.4368	.5508	1.878	9.315
#1	4.675	-3.665	60.35	74.80	27.76	1.861
#2	1.919	-3.047	60.34	73.99	27.03	1.612
#3	3.270	-7.064	60.80	74.28	28.03	1.931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-8-B@4 Acquired: 4/21/2017 20:27:58 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.486**	**4.418**	**166.4**	**1693.**
Stddev	.832	.062	1.9	16.
%RSD	12.83	1.398	1.127	.9186
#1	5.794	4.349	164.9	1676.
#2	7.410	4.467	168.5	1704.
#3	6.255	4.439	165.8	1701.
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	**2752.7**	**29661.**	**7562.6**
Stddev	7.7	174.	28.4
%RSD	.27951	.58690	.37531
#1	2743.8	29473.	7595.4
#2	2757.1	29817.	7545.7
#3	2757.1	29693.	7546.8

Sample Name: 460-131612-A-9-B@4 Acquired: 4/21/2017 20:31:54 Type: Unk
Method: xin_sw030317(v53) 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	**18880.**	**48.76**	**-.2394**	**62.31**	**1.492**	**1571.**
Stddev	107.	1.90	.5627	.33	.016	8.
%RSD	.5659	3.897	235.1	.5262	1.040	.4850
#1	18780.	49.98	-.7702	62.38	1.474	1566.
#2	18860.	46.57	-.2985	62.60	1.498	1569.
#3	18990.	49.73	.3506	61.96	1.503	1580.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7740**	**2.661**	**69.11**	**47.55**	**47950.**	**5266.**
Stddev	.0513	.114	.43	.29	124.	19.
%RSD	6.623	4.295	.6152	.6137	.2588	.3679
#1	-.7153	2.542	68.80	47.63	47810.	5253.
#2	-.8101	2.671	68.93	47.23	47990.	5257.
#3	-.7966	2.770	69.59	47.80	48050.	5289.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-9-B@4 Acquired: 4/21/2017 20:31:54 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3211.**	**82.95**	**91.60**	**7.705**	**97.16**	**3.071**
Stddev	28.	.89	16.17	.319	.62	1.900
%RSD	.8641	1.073	17.66	4.134	.6424	61.85
#1	3183.	81.97	106.7	7.765	97.69	4.266
#2	3209.	83.16	74.51	7.989	96.47	.8807
#3	3239.	83.71	93.62	7.360	97.33	4.067
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	**2.681**	**-2.808**	**74.38**	**82.37**	**36.86**	**3.977**
Stddev	.915	1.360	.43	.24	.30	.276
%RSD	34.14	48.43	.5796	.2926	.8236	6.943
#1	3.721	-2.613	73.93	82.11	37.13	4.288
#2	1.995	-4.255	74.42	82.40	36.92	3.883
#3	2.328	-1.556	74.79	82.59	36.53	3.761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-9-B@4 Acquired: 4/21/2017 20:31:54 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.878**	**7.436**	**187.0**	**1844.**
Stddev	.291	.077	1.6	24.
%RSD	4.226	1.033	.8772	1.303
#1	6.934	7.348	185.1	1839.
#2	7.136	7.487	188.1	1824.
#3	6.563	7.475	187.9	1871.
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	**2753.7**	**29668.**	**7526.3**
Stddev	9.3	113.	59.8
%RSD	.33653	.37973	.79462
#1	2743.2	29702.	7568.0
#2	2760.8	29760.	7553.2
#3	2757.0	29542.	7457.8

Sample Name: 460-131612-A-10-B@4 Acquired: 4/21/2017 20:35:48 Type: Unk
Method: xin_sw030317(v53) 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	**16380.**	**23.59**	**-.3108**	**65.36**	**1.715**	**1009.**
Stddev	27.	2.26	.3500	.05	.039	2.
%RSD	.1622	9.599	112.6	.0691	2.251	.2061
#1	16410.	24.03	-.5994	65.31	1.688	1010.
#2	16360.	25.60	-.4116	65.39	1.759	1011.
#3	16380.	21.14	.0785	65.37	1.698	1007.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8674**	**2.705**	**68.22**	**9.290**	**54940.**	**5639.**
Stddev	.0862	.282	.93	.429	45.	32.
%RSD	9.936	10.41	1.364	4.614	.0828	.5613
#1	-.7944	2.726	67.33	9.008	54900.	5675.
#2	-.9625	2.414	68.15	9.079	54990.	5619.
#3	-.8454	2.976	69.18	9.783	54940.	5621.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-10-B@4 Acquired: 4/21/2017 20:35:48 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3240.**	**192.0**	**54.58**	**7.001**	**43.58**	**3.038**
Stddev	9.	.4	11.87	.465	1.01	1.259
%RSD	.2724	.2142	21.75	6.635	2.315	41.44
#1	3231.	192.1	53.86	6.508	44.67	3.610
#2	3240.	192.4	43.08	7.430	43.37	3.910
#3	3249.	191.6	66.79	7.066	42.69	1.595
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	**1.193**	**-5.107**	**86.03**	**74.00**	**43.53**	**2.330**
Stddev	.332	.317	.61	.13	.34	.152
%RSD	27.81	6.196	.7088	.1773	.7897	6.535
#1	.8772	-5.463	85.33	74.14	43.93	2.156
#2	1.162	-4.859	86.40	73.87	43.30	2.435
#3	1.538	-5.000	86.36	73.99	43.38	2.401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-10-B@4 Acquired: 4/21/2017 20:35:48 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**7.287**	**6.299**	**202.5**	**1971.**
Stddev	.338	.013	.2	10.
%RSD	4.637	.2078	.0821	.4822
#1	6.902	6.284	202.3	1977.
#2	7.425	6.306	202.6	1976.
#3	7.534	6.308	202.6	1960.
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	**2751.8**	**29861.**	**7557.9**
Stddev	5.0	52.	45.1
%RSD	.18134	.17384	.59616
#1	2747.5	29802.	7544.1
#2	2750.8	29880.	7608.2
#3	2757.3	29901.	7521.3

Sample Name: 460-131612-A-11-B@4 Acquired: 4/21/2017 20:39:43 Type: Unk
Method: xin_sw030317(v53) 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	**21270.**	**103.2**	**.3381**	**111.3**	**3.117**	**4558.**
Stddev	44.	1.4	.0187	.8	.074	31.
%RSD	.2091	1.374	5.525	.7206	2.382	.6803
#1	21300.	104.4	.3283	110.5	3.202	4529.
#2	21290.	101.7	.3596	111.2	3.067	4556.
#3	21220.	103.7	.3264	112.1	3.081	4590.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.894**	**5.475**	**87.60**	**6.264**	F **235900.**	**4792.**
Stddev	.140	.435	.56	.538	953.	9.
%RSD	3.602	7.951	.6434	8.594	.4038	.1838
#1	-3.790	4.979	86.95	5.748	234900.	4802.
#2	-3.839	5.796	87.88	6.822	236100.	4790.
#3	-4.054	5.650	87.96	6.223	236700.	4785.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Sample Name: 460-131612-A-11-B@4 Acquired: 4/21/2017 20:39:43 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3856.**	**379.4**	**22.87**	**10.70**	**49.89**	**-.4932**
Stddev	53.	3.9	7.39	.21	1.20	1.334
%RSD	1.366	1.039	32.29	1.998	2.405	270.4
#1	3796.	375.0	29.49	10.56	48.59	1.034
#2	3878.	380.6	14.91	10.60	50.95	-1.431
#3	3895.	382.6	24.22	10.95	50.12	-1.082
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	**10.08**	**-11.91**	**125.8**	**98.00**	**31.25**	**4.361**
Stddev	2.15	1.91	1.3	.88	.81	.162
%RSD	21.31	16.07	1.063	.8934	2.583	3.714
#1	12.06	-13.48	124.4	97.06	30.63	4.234
#2	7.796	-9.780	125.8	98.15	30.96	4.306
#3	10.37	-12.48	127.1	98.79	32.16	4.543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-11-B@4 Acquired: 4/21/2017 20:39:43 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**13.10**	**20.53**	**205.2**	**2048.**
Stddev	.20	.15	2.2	16.
%RSD	1.553	.7467	1.094	.8039
#1	13.16	20.38	203.1	2039.
#2	13.26	20.52	205.0	2067.
#3	12.87	20.69	207.6	2037.
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	**2788.9**	**29859.**	**7670.8**
Stddev	11.9	133.	43.4
%RSD	.42711	.44596	.56627
#1	2777.3	29705.	7620.8
#2	2788.3	29929.	7693.3
#3	2801.1	29942.	7698.5

Sample Name: CCV Acquired: 4/21/2017 20:43:34 Type: QC
Method: xin_sw030317(v53) 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	**128300.**	**2549.**	**1296.**	**10430.**	**1003.**	**128700.**
Stddev	918.	11.	1.	22.	3.	544.
%RSD	.7155	.4273	.0598	.2131	.2780	.4225
#1	127300.	2543.	1297.	10440.	999.9	129000.
#2	128400.	2542.	1297.	10410.	1005.	129000.
#3	129200.	2561.	1296.	10450.	1004.	128000.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1292.**	**2551.**	**5256.**	**12690.**	**106200.**	**49670.**
Stddev	2.	2.	10.	28.	186.	198.
%RSD	.1463	.0635	.1923	.2187	.1747	.3989
#1	1293.	2553.	5255.	12710.	106200.	49450.
#2	1290.	2550.	5266.	12700.	106300.	49830.
#3	1293.	2551.	5246.	12660.	105900.	49740.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 20:43:34 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**130000.**	**5146.**	**127900.**	**2612.**	**7824.**	**996.5**
Stddev	252.	22.	614.	4.	19.	2.8
%RSD	.1939	.4294	.4798	.1671	.2401	.2805
#1	130100.	5159.	127200.	2612.	7825.	993.3
#2	130200.	5158.	128200.	2608.	7805.	998.6
#3	129700.	5120.	128400.	2616.	7843.	997.7
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	**2570.**	**2676.**	**2555.**	**2709.**	**1034.**	**2568.**
Stddev	7.	9.	8.	10.	5.	6.
%RSD	.2597	.3379	.3157	.3692	.4473	.2227
#1	2563.	2669.	2559.	2710.	1030.	2567.
#2	2571.	2673.	2560.	2699.	1035.	2563.
#3	2577.	2686.	2545.	2719.	1039.	2574.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 20:43:34 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1035.**	**5010.**	**10730.**	**9637.**
Stddev	5.	15.	5.	37.
%RSD	.4593	.2896	.0448	.3874
#1	1035.	4994.	10720.	9639.
#2	1031.	5023.	10730.	9599.
#3	1040.	5012.	10730.	9674.
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	**2618.0**	**28015.**	**7446.9**
Stddev	10.1	52.	57.3
%RSD	.38440	.18723	.77002
#1	2625.0	28052.	7512.2
#2	2622.5	27955.	7404.9
#3	2606.4	28038.	7423.5

Sample Name: CCB Acquired: 4/21/2017 20:47:09 Type: QC
Method: xin_sw030317(v53) 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	**2.565**	**.0189**	**-.2585**	**.4219**	**.0628**	**-11.02**
Stddev	14.89	1.768	.4347	.2002	.0707	1.55
%RSD	580.7	9375.	168.1	47.45	112.5	14.06
#1	-13.76	-.5319	-.2149	.6221	.0163	-9.234
#2	15.40	1.997	-.7134	.4219	.1442	-11.88
#3	6.053	-1.408	.1527	.2217	.0280	-11.95
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0053**	**.0301**	**.2547**	**.0854**	**19.40**	**-19.16**
Stddev	.0484	.1531	.3182	.4532	4.09	47.17
%RSD	916.9	509.2	124.9	530.4	21.09	246.1
#1	-.0497	.0822	.6145	.5245	14.87	19.87
#2	.0238	.1502	.0107	-.3806	22.82	-71.58
#3	.0417	-.1423	.1388	.1124	20.51	-5.783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 20:47:09 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-.6578**	**.1810**	**-26.78**	**-.1196**	**.2414**	**1.001**
Stddev	3.770	.0402	1.82	.2965	.5093	2.139
%RSD	573.2	22.19	6.797	247.9	211.0	213.7
#1	3.649	.1672	-25.23	-.4246	.7293	3.396
#2	-3.366	.2263	-28.79	.1676	-.2869	-.7180
#3	-2.256	.1496	-26.33	-.1018	.2817	.3247
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	**-1.926**	**-1.122**	**.0701**	**-.3116**	**1.537**	**1.090**
Stddev	3.316	2.207	.4931	.1778	.268	.495
%RSD	172.2	196.8	703.6	57.05	17.44	45.40
#1	-4.064	-.8446	-.3281	-.1275	1.844	1.605
#2	1.894	-3.455	-.0832	-.4824	1.414	1.046
#3	-3.607	.9338	.6216	-.3250	1.352	.6183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 20:47:09 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8989**	**.2432**	**.9999**	**19.80**
Stddev	.5197	.1006	.4053	11.72
%RSD	57.81	41.37	40.53	59.18
#1	.3317	.3559	1.462	22.53
#2	1.013	.1625	.8306	29.91
#3	1.352	.2113	.7068	6.960
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	**2764.6**	**29640.**	**7457.1**
Stddev	11.2	71.	41.8
%RSD	.40392	.23902	.56114
#1	2764.8	29627.	7467.5
#2	2775.7	29716.	7411.0
#3	2753.3	29576.	7492.7

Sample Name: CCVL Acquired: 4/21/2017 20:51:10 Type: QC
Method: xin_sw030317(v53) 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	**244.8**	**15.58**	**10.19**	**224.0**	**2.302**	**5320.**
Stddev	6.4	1.00	.30	.5	.126	3.
%RSD	2.614	6.427	2.937	.2067	5.459	.0558
#1	244.3	14.73	10.37	223.5	2.223	5324.
#2	251.5	15.32	10.35	224.0	2.237	5320.
#3	238.7	16.69	9.842	224.5	2.447	5318.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.351**	**56.83**	**11.24**	**25.93**	**175.8**	**5049.**
Stddev	.108	.32	.49	.37	6.8	23.
%RSD	2.477	.5665	4.334	1.412	3.841	.4492
#1	4.475	56.48	11.47	25.62	180.0	5023.
#2	4.281	57.12	10.68	25.85	168.0	5065.
#3	4.298	56.88	11.57	26.33	179.4	5059.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 20:51:10 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5327.**	**16.58**	**5153.**	**45.91**	**9.499**	**21.87**
Stddev	69.	.28	12.	.68	1.470	1.34
%RSD	1.287	1.671	.2269	1.484	15.48	6.144
#1	5249.	16.29	5153.	46.16	9.869	20.54
#2	5351.	16.61	5164.	46.43	10.75	23.23
#3	5380.	16.85	5141.	45.14	7.880	21.84
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	**20.16**	**23.12**	**54.74**	**35.65**	**53.94**	**22.20**
Stddev	1.06	1.68	.47	.11	.60	.25
%RSD	5.254	7.258	.8665	.3026	1.109	1.107
#1	19.83	21.33	54.19	35.55	53.25	21.92
#2	21.35	24.66	55.01	35.77	54.30	22.38
#3	19.31	23.36	55.02	35.63	54.28	22.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 20:51:10 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**58.00**	**21.29**	**24.16**	F **24.57**
Stddev	.57	.07	.12	4.58
%RSD	.9811	.3067	.4904	18.64
#1	57.63	21.28	24.04	19.44
#2	58.65	21.24	24.17	28.24
#3	57.71	21.36	24.28	26.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2766.2**	**29522.**	**7455.1**
Stddev	1.1	135.	71.8
%RSD	.03957	.45569	.96367
#1	2767.0	29371.	7374.6
#2	2766.6	29570.	7477.9
#3	2764.9	29627.	7512.7

Sample Name: 460-131612-A-13-B@4 Acquired: 4/21/2017 20:59:03 Type: Unk
Method: xin_sw030317(v53) 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	**14170.**	**55.23**	**-.4625**	**75.16**	**1.719**	**2040.**
Stddev	25.	1.18	.0752	.25	.041	11.
%RSD	.1771	2.136	16.25	.3348	2.379	.5564
#1	14200.	56.58	-.5083	75.02	1.691	2030.
#2	14150.	54.40	-.3758	75.01	1.700	2052.
#3	14150.	54.70	-.5035	75.45	1.766	2037.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.868**	**3.352**	**55.83**	**6.687**	**115200.**	**3381.**
Stddev	.029	.039	.14	.155	515.	27.
%RSD	1.539	1.150	.2486	2.322	.4471	.7866
#1	-1.849	3.347	55.81	6.625	115400.	3376.
#2	-1.855	3.316	55.98	6.572	115500.	3358.
#3	-1.901	3.393	55.70	6.864	114600.	3411.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-13-B@4 Acquired: 4/21/2017 20:59:03 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**2573.**	**181.8**	**34.63**	**7.761**	**42.56**	**.3501**
Stddev	18.	.3	1.91	.280	1.08	.7144
%RSD	.6895	.1664	5.505	3.606	2.539	204.0
#1	2559.	181.5	36.65	7.631	43.80	-.2514
#2	2568.	181.9	32.86	7.570	41.99	1.140
#3	2593.	182.0	34.38	8.083	41.88	.1620
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	**5.523**	**-6.791**	**76.87**	**69.68**	**23.73**	**2.242**
Stddev	1.226	.643	.54	.41	.46	.136
%RSD	22.21	9.463	.7086	.5873	1.951	6.049
#1	5.398	-6.050	77.14	69.67	24.12	2.165
#2	4.364	-7.133	76.25	70.09	23.85	2.399
#3	6.807	-7.191	77.24	69.27	23.22	2.163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-13-B@4 Acquired: 4/21/2017 20:59:03 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**9.306**	**10.06**	**168.2**	**1829.**
Stddev	.327	.10	.9	25.
%RSD	3.513	1.017	.5621	1.372
#1	9.243	10.16	168.3	1825.
#2	9.659	10.08	167.1	1855.
#3	9.015	9.955	169.0	1806.
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	**2795.2**	**29945.**	**7648.2**
Stddev	22.8	325.	96.2
%RSD	.81720	1.0864	1.2583
#1	2772.3	29599.	7539.5
#2	2795.3	29992.	7722.4
#3	2818.0	30245.	7682.8

Sample Name: 460-131612-A-14-B@4 Acquired: 4/21/2017 21:02:56 Type: Unk
Method: xin_sw030317(v53) 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	**10680.**	**26.48**	**-.1699**	**34.02**	**1.314**	**542.0**
Stddev	88.	2.32	.2523	.20	.055	6.2
%RSD	.8218	8.750	148.5	.6027	4.170	1.137
#1	10600.	24.04	.0399	33.82	1.348	535.6
#2	10670.	26.76	-.0997	34.23	1.343	547.9
#3	10770.	28.65	-.4500	34.00	1.250	542.5
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.175**	**1.958**	**43.31**	**4.028**	**73860.**	**3131.**
Stddev	.084	.238	.73	.154	396.	31.
%RSD	7.175	12.13	1.686	3.827	.5357	.9990
#1	-1.255	2.120	42.47	4.151	73470.	3146.
#2	-1.184	2.070	43.83	3.855	73850.	3152.
#3	-1.087	1.685	43.62	4.078	74260.	3095.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-14-B@4 Acquired: 4/21/2017 21:02:56 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1874.**	**92.62**	**59.24**	**4.562**	**195.9**	**.7187**
Stddev	26.	1.67	3.41	.407	.5	.9268
%RSD	1.401	1.804	5.755	8.930	.2795	129.0
#1	1845.	90.74	60.43	5.019	195.3	.3535
#2	1881.	93.16	55.39	4.237	196.1	.0301
#3	1895.	93.95	61.89	4.430	196.4	1.772
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	**4.300**	**-5.612**	**61.31**	**40.55**	**22.23**	**1.819**
Stddev	2.559	.708	.51	.45	.20	.296
%RSD	59.51	12.61	.8380	1.119	.9112	16.30
#1	2.905	-5.102	60.93	40.45	22.17	1.479
#2	7.253	-5.315	61.10	40.16	22.07	1.950
#3	2.741	-6.420	61.89	41.05	22.46	2.027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-14-B@4 Acquired: 4/21/2017 21:02:56 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.968**	**4.904**	**142.4**	**1759.**
Stddev	.685	.113	3.4	6.
%RSD	9.832	2.308	2.379	.3640
#1	6.454	4.774	138.9	1758.
#2	6.703	4.978	142.6	1766.
#3	7.745	4.960	145.6	1753.
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	**2792.2**	**29855.**	**7651.0**
Stddev	6.1	34.	18.7
%RSD	.21867	.11288	.24425
#1	2786.7	29892.	7655.5
#2	2798.7	29847.	7667.0
#3	2791.2	29826.	7630.5

Sample Name: 460-131612-A-15-B@4 Acquired: 4/21/2017 21:06:52 Type: Unk
Method: xin_sw030317(v53) 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	**17820.**	**47.78**	**-.6549**	**85.00**	**1.654**	**3644.**
Stddev	181.	.54	.2260	.23	.083	4.
%RSD	1.017	1.126	34.50	.2654	5.044	.1139
#1	17760.	47.21	-.3940	84.74	1.565	3648.
#2	17670.	48.28	-.7852	85.11	1.668	3646.
#3	18020.	47.85	-.7855	85.16	1.730	3640.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.7978**	**3.198**	**76.12**	**14.70**	**58830.**	**5534.**
Stddev	.1581	.207	.96	.39	273.	13.
%RSD	19.82	6.462	1.258	2.638	.4632	.2276
#1	-.9743	2.982	75.02	14.49	58550.	5519.
#2	-.7498	3.393	76.71	15.15	59100.	5540.
#3	-.6691	3.218	76.64	14.47	58840.	5542.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-15-B@4 Acquired: 4/21/2017 21:06:52 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**3669.**	**172.7**	**74.61**	**8.985**	**55.19**	**2.296**
Stddev	36.	3.2	6.89	.175	.48	1.267
%RSD	.9747	1.841	9.233	1.946	.8711	55.19
#1	3628.	171.3	78.09	9.186	54.63	1.057
#2	3686.	176.3	79.07	8.896	55.49	3.589
#3	3694.	170.4	66.68	8.872	55.44	2.241
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	**1.008**	**-2.444**	**87.14**	**89.80**	**43.41**	**2.245**
Stddev	2.182	.741	.40	.57	.64	.075
%RSD	216.5	30.33	.4543	.6366	1.485	3.328
#1	-.9195	-3.129	86.79	89.16	42.66	2.331
#2	3.377	-1.657	87.57	89.99	43.77	2.197
#3	.5659	-2.545	87.05	90.26	43.79	2.207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-15-B@4 Acquired: 4/21/2017 21:06:52 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.223**	**14.56**	**178.9**	**1924.**
Stddev	1.615	.08	2.6	4.
%RSD	19.64	.5744	1.474	.2190
#1	7.238	14.47	175.9	1921.
#2	7.344	14.58	179.7	1921.
#3	10.09	14.63	181.0	1928.
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	**2785.4**	**29827.**	**7600.5**
Stddev	8.8	93.	28.3
%RSD	.31697	.31212	.37300
#1	2789.4	29758.	7626.5
#2	2775.2	29790.	7604.6
#3	2791.4	29933.	7570.3

Sample Name: 460-131612-A-16-B@4 Acquired: 4/21/2017 21:10:46 Type: Unk
Method: xin_sw030317(v53) 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	**9823.**	**33.76**	**-.5680**	**50.82**	**1.346**	**465.1**
Stddev	25.	1.59	.4140	.09	.101	4.0
%RSD	.2588	4.714	72.88	.1716	7.497	.8601
#1	9794.	31.96	-.9681	50.72	1.243	469.4
#2	9836.	34.98	-.5946	50.84	1.445	461.5
#3	9840.	34.34	-.1414	50.89	1.349	464.4
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.5566**	**2.045**	**41.23**	**15.78**	**38400.**	**3906.**
Stddev	.1051	.221	.51	.29	169.	21.
%RSD	18.88	10.81	1.228	1.847	.4388	.5248
#1	-.6687	2.300	40.69	16.00	38540.	3888.
#2	-.4604	1.933	41.29	15.45	38450.	3928.
#3	-.5406	1.903	41.70	15.90	38220.	3901.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-16-B@4 Acquired: 4/21/2017 21:10:46 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**1911.**	**231.1**	**32.09**	**4.719**	**56.80**	**1.297**
Stddev	18.	.7	3.89	.308	.85	.399
%RSD	.9514	.3057	12.11	6.523	1.499	30.79
#1	1893.	231.6	29.91	4.449	57.37	1.756
#2	1910.	231.4	36.57	5.055	55.83	1.033
#3	1929.	230.3	29.78	4.654	57.21	1.100
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**	**-4.835**	**56.02**	**105.6**	**28.67**	**1.987**
Stddev	3.933	3.003	.74	.3	.89	.063
%RSD	336.6	62.11	1.325	.3055	3.109	3.169
#1	4.234	-7.708	55.30	105.7	29.20	2.039
#2	-3.266	-1.717	55.98	105.3	29.16	2.005
#3	2.539	-5.080	56.78	106.0	27.64	1.917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-16-B@4 Acquired: 4/21/2017 21:10:46 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**6.308**	**4.440**	**160.7**	**1843.**
Stddev	.745	.091	1.4	7.
%RSD	11.82	2.052	.8541	.3790
#1	5.622	4.367	159.5	1842.
#2	7.101	4.412	160.4	1837.
#3	6.201	4.542	162.2	1851.
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	**2771.3**	**29838.**	**7529.3**
Stddev	8.1	208.	10.7
%RSD	.29195	.69563	.14183
#1	2761.9	29616.	7522.3
#2	2776.4	29871.	7524.1
#3	2775.5	30027.	7541.6

Sample Name: 460-131612-A-18-B@4 Acquired: 4/21/2017 21:18:38 Type: Unk
Method: xin_sw030317(v53) 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	**18710.**	**57.16**	**-.0622**	**74.88**	**1.954**	**1391.**
Stddev	35.	1.74	.7206	.41	.063	1.
%RSD	.1888	3.046	1158.	.5451	3.207	.0933
#1	18680.	59.03	-.1358	74.41	1.980	1390.
#2	18750.	55.59	-.7432	75.07	1.882	1392.
#3	18700.	56.85	.6924	75.15	1.999	1390.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.178**	**3.929**	**86.83**	**18.63**	**71320.**	**7652.**
Stddev	.054	.093	.88	.15	207.	49.
%RSD	4.586	2.377	1.016	.7964	.2903	.6412
#1	-1.183	3.985	85.88	18.81	71090.	7706.
#2	-1.229	3.981	86.97	18.54	71360.	7638.
#3	-1.121	3.821	87.63	18.56	71500.	7611.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-18-B@4 Acquired: 4/21/2017 21:18:38 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4309.**	**186.1**	**20.85**	**8.568**	**84.31**	**1.222**
Stddev	22.	.3	5.47	.133	.67	.346
%RSD	.5184	.1867	26.23	1.557	.7998	28.34
#1	4285.	186.5	17.62	8.698	83.85	.8494
#2	4315.	185.8	27.17	8.576	85.09	1.283
#3	4328.	185.9	17.77	8.431	84.00	1.534
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	**5.449**	**-6.974**	**92.23**	**95.39**	**56.32**	**2.965**
Stddev	3.132	.191	.39	1.43	1.28	.025
%RSD	57.48	2.741	.4195	1.502	2.276	.8581
#1	2.239	-6.762	91.79	93.77	54.84	2.971
#2	8.497	-7.025	92.36	95.91	57.19	2.938
#3	5.611	-7.134	92.53	96.50	56.91	2.988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131612-A-18-B@4 Acquired: 4/21/2017 21:18:38 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**8.602**	**7.980**	**194.3**	**1858.**
Stddev	.425	.078	.6	14.
%RSD	4.941	.9770	.3063	.7391
#1	9.021	7.998	193.8	1872.
#2	8.616	7.895	194.2	1844.
#3	8.171	8.048	194.9	1857.
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	**2822.0**	**30289.**	**7711.0**
Stddev	6.7	67.	54.8
%RSD	.23808	.22244	.71049
#1	2829.8	30266.	7768.9
#2	2818.6	30236.	7704.2
#3	2817.7	30365.	7660.0

Sample Name: 460-131514-A-6-A@4 Acquired: 4/21/2017 21:26:28 Type: Unk
Method: xin_sw030317(v53) 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	**75990.**	**5.211**	**-1.143**	**461.9**	**3.752**	**4391.**
Stddev	531.	1.743	.323	2.1	.049	21.
%RSD	.6985	33.45	28.27	.4595	1.296	.4770
#1	75420.	7.222	-1.506	459.7	3.709	4370.
#2	76080.	4.127	-1.039	461.9	3.741	4392.
#3	76470.	4.285	-.8853	464.0	3.805	4411.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-1.489**	**37.24**	**124.3**	**83.30**	**107200.**	**15040.**
Stddev	.240	.53	1.0	.82	502.	156.
%RSD	16.11	1.433	.8215	.9810	.4684	1.037
#1	-1.346	36.70	123.3	82.61	106600.	14880.
#2	-1.354	37.26	124.4	83.09	107400.	15060.
#3	-1.766	37.76	125.4	84.20	107600.	15190.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131514-A-6-A@4 Acquired: 4/21/2017 21:26:28 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**23670.**	**1275.**	**331.2**	**82.52**	**81.24**	**1.444**
Stddev	82.	9.	9.1	.80	3.02	1.138
%RSD	.3458	.6949	2.734	.9732	3.713	78.80
#1	23580.	1267.	320.8	81.74	83.84	.1502
#2	23680.	1276.	335.6	82.48	77.93	2.289
#3	23740.	1284.	337.3	83.35	81.93	1.892
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	**2.568**	**-5.931**	**198.0**	**407.3**	**-.8150**	**1.761**
Stddev	1.702	.567	1.1	3.4	.2085	.320
%RSD	66.25	9.554	.5511	.8297	25.58	18.20
#1	4.301	-5.811	197.1	403.6	-1.007	1.993
#2	.9000	-5.435	197.7	408.0	-.8442	1.894
#3	2.504	-6.549	199.2	410.2	-.5935	1.395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-131514-A-6-A@4 Acquired: 4/21/2017 21:26:28 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**11.11**	**28.98**	**7248.**	**1241.**
Stddev	.39	.30	28.	32.
%RSD	3.519	1.030	.3899	2.555
#1	10.73	28.67	7220.	1205.
#2	11.07	29.01	7248.	1250.
#3	11.51	29.26	7276.	1266.
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	**2858.4**	**30558.**	**7783.8**
Stddev	8.9	170.	40.2
%RSD	.31088	.55644	.51652
#1	2850.7	30442.	7806.2
#2	2856.4	30479.	7807.8
#3	2868.2	30753.	7737.4

Sample Name: idl Acquired: 4/21/2017 21:30:18 Type: Unk
Method: xin_sw030317(v53) 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	**.6782**	**-.0034**	**-.2775**	**-.0207**	**.0617**	**-12.65**
Stddev	2.755	1.320	.2700	.2063	.0232	5.59
%RSD	406.3	38390.	97.28	996.5	37.59	44.17
#1	-.2753	-.0747	.0328	.1744	.0816	-16.54
#2	-1.474	1.351	-.4069	.0001	.0362	-15.16
#3	3.784	-1.286	-.4585	-.2366	.0672	-6.245
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1034**	**-.0601**	**.0225**	**-.7944**	**-3.723**	**-59.13**
Stddev	.0407	.2380	.1185	.2780	2.075	13.29
%RSD	39.36	396.1	525.9	35.00	55.74	22.47
#1	-.0800	.1971	-.1112	-.9205	-1.611	-46.04
#2	-.0798	-.1049	.1144	-.9870	-3.799	-58.76
#3	-.1504	-.2724	.0644	-.4756	-5.759	-72.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 21:30:18 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-5.288**	**-.0060**	**-34.79**	**-.4102**	**-.1601**	**.3044**
Stddev	4.883	.0113	5.20	.3848	.5366	.3853
%RSD	92.34	187.2	14.96	93.80	335.1	126.6
#1	.3367	-.0066	-39.33	-.8421	.3647	.7462
#2	-7.762	-.0170	-29.11	-.1038	-.7078	.0377
#3	-8.438	.0055	-35.92	-.2848	-.1374	.1292
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	**-1.665**	**.8004**	**-.0093**	**.2527**	**-.4396**	**-.1104**
Stddev	.793	1.757	.1843	.0867	.5467	.0231
%RSD	47.62	219.6	1991.	34.31	124.4	20.91
#1	-2.475	-.6798	-.0940	.2981	-.5388	-.1369
#2	-.8913	2.743	.2022	.3074	.1499	-.0997
#3	-1.627	.3382	-.1360	.1528	-.9299	-.0946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 21:30:18 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.144**	**.0528**	**.3436**	**15.97**
Stddev	.128	.0938	.3063	2.57
%RSD	11.17	177.7	89.13	16.11
#1	1.289	.1202	.6261	18.03
#2	1.048	-.0543	.3867	16.79
#3	1.095	.0924	.0181	13.09
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	**2791.1**	**29871.**	**7423.5**
Stddev	4.3	84.	21.1
%RSD	.15490	.27988	.28455
#1	2787.0	29950.	7442.6
#2	2795.6	29783.	7400.8
#3	2790.8	29880.	7427.2

Sample Name: CCB Acquired: 4/21/2017 21:37:54 Type: QC
Method: xin_sw030317(v53) 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	**8.443**	**-.8471**	**-.3051**	**.3126**	**.0875**	**-11.97**
Stddev	21.28	1.474	.1058	.0754	.0882	1.04
%RSD	252.0	174.0	34.67	24.13	100.8	8.653
#1	-1.496	-1.466	-.2592	.3689	.0346	-12.97
#2	32.87	.8357	-.4261	.3418	.0387	-10.90
#3	-6.047	-1.911	-.2300	.2269	.1893	-12.04
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1598**	**.0095**	**.3915**	**.1756**	**5.597**	**-45.24**
Stddev	.0243	.2166	.2217	.2180	4.142	25.59
%RSD	15.19	2290.	56.64	124.2	74.00	56.56
#1	-.1705	-.2182	.4580	.4274	7.390	-48.68
#2	-.1768	.2130	.5723	.0487	8.540	-18.11
#3	-.1320	.0336	.1441	.0507	.8606	-68.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 21:37:54 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**.1621**	**.1849**	**-21.59**	**-.6406**	**-.5532**	**.4840**
Stddev	1.883	.1211	8.46	.1247	.3897	.6040
%RSD	1162.	65.48	39.19	19.47	70.45	124.8
#1	1.826	.2203	-14.17	-.7797	-.8791	.6887
#2	.5411	.2843	-19.79	-.5386	-.1215	.9590
#3	-1.881	.0501	-30.80	-.6036	-.6591	-.1957
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	**-.5376**	**-2.276**	**.1128**	**-.3942**	**1.419**	**1.097**
Stddev	1.922	1.090	.6004	.1167	.171	.168
%RSD	357.4	47.90	532.5	29.60	12.03	15.32
#1	-.1979	-1.020	.7428	-.4206	1.609	1.280
#2	1.192	-2.826	-.4528	-.4953	1.368	1.061
#3	-2.607	-2.982	.0483	-.2665	1.279	.9499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 21:37:54 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4555**	**.2325**	**.9881**	**13.26**
Stddev	.7381	.0259	.3500	9.98
%RSD	162.1	11.13	35.42	75.23
#1	-.2879	.2514	1.385	9.310
#2	1.188	.2430	.8533	24.61
#3	.4662	.2030	.7256	5.869
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	**2786.7**	**29672.**	**7458.3**
Stddev	5.1	115.	39.7
%RSD	.18394	.38762	.53285
#1	2781.8	29699.	7503.3
#2	2792.0	29771.	7443.8
#3	2786.3	29546.	7427.9

Sample Name: CCVL Acquired: 4/21/2017 21:41:55 Type: QC
Method: xin_sw030317(v53) 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	**229.2**	**16.91**	**10.92**	**224.1**	**2.255**	**5332.**
Stddev	16.1	2.33	.30	.1	.045	16.
%RSD	7.019	13.76	2.707	.0343	2.015	.3002
#1	243.2	14.43	10.77	224.0	2.269	5351.
#2	232.7	17.27	10.73	224.0	2.292	5326.
#3	211.6	19.04	11.26	224.2	2.204	5321.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.329**	**56.73**	**11.38**	**26.01**	**176.3**	**5121.**
Stddev	.052	.32	.28	.38	10.7	18.
%RSD	1.214	.5713	2.426	1.455	6.045	.3445
#1	4.388	56.49	11.40	25.86	164.2	5100.
#2	4.288	56.59	11.64	25.73	184.3	5128.
#3	4.312	57.10	11.09	26.44	180.4	5133.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 21:41:55 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5315.**	**16.65**	**5162.**	**45.36**	**10.19**	**21.75**
Stddev	45.	.02	23.	.30	1.32	.99
%RSD	.8483	.1198	.4491	.6604	12.93	4.544
#1	5263.	16.64	5141.	45.17	10.58	22.88
#2	5334.	16.65	5187.	45.20	11.27	21.09
#3	5347.	16.68	5158.	45.71	8.720	21.27
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	**20.23**	**23.26**	**54.44**	**35.54**	**53.49**	**21.82**
Stddev	.92	2.44	.99	.33	.36	.18
%RSD	4.556	10.48	1.816	.9384	.6747	.8090
#1	19.20	25.20	53.35	35.19	53.30	21.84
#2	20.96	20.52	54.68	35.57	53.91	21.64
#3	20.54	24.06	55.28	35.86	53.28	21.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 21:41:55 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**57.51**	**21.59**	**24.05**	F **26.31**
Stddev	.83	.32	.22	7.59
%RSD	1.443	1.495	.9248	28.84
#1	56.94	21.26	23.86	34.34
#2	57.12	21.61	24.00	19.26
#3	58.46	21.90	24.29	25.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2761.9**	**29544.**	**7439.2**
Stddev	6.0	131.	43.9
%RSD	.21892	.44459	.59072
#1	2768.9	29415.	7489.5
#2	2758.5	29541.	7420.1
#3	2758.3	29678.	7408.0

Sample Name: idl Acquired: 4/21/2017 21:47:38 Type: Unk
Method: xin_sw030317(v53) 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	**5.456**	**-.2839**	**-.4380**	**-.0970**	**.1091**	**-14.28**
Stddev	4.008	2.196	.3868	.0721	.0594	2.85
%RSD	73.45	773.5	88.30	74.30	54.47	19.94
#1	9.631	.3197	-.5442	-.0140	.0586	-12.75
#2	5.097	-2.719	-.7607	-.1335	.0942	-12.52
#3	1.640	1.547	-.0093	-.1434	.1746	-17.56
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0292**	**.0500**	**-.0710**	**-.8487**	**-1.743**	**-49.19**
Stddev	.0276	.1026	.5248	.1989	3.251	35.04
%RSD	94.42	205.3	739.6	23.43	186.5	71.24
#1	-.0061	.1564	-.1497	-1.078	.9172	-82.96
#2	-.0597	.0420	-.5519	-.7186	-5.367	-51.61
#3	-.0217	-.0484	.4888	-.7499	-.7798	-13.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 21:47:38 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-5.013**	**-.1197**	**-33.83**	**-.3597**	**1.748**	**-1.315**
Stddev	5.616	.0483	3.31	.3381	.528	1.712
%RSD	112.0	40.32	9.787	94.01	30.22	130.2
#1	-9.215	-.0991	-30.10	-.3137	1.430	-.8726
#2	-7.190	-.0852	-36.43	-.7184	2.357	.1320
#3	1.366	-.1749	-34.95	-.0469	1.456	-3.204
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	**-.4777**	**-.4891**	**-.2186**	**.0460**	**-.0953**	**.1466**
Stddev	1.998	1.903	.2116	.0955	.2226	.3078
%RSD	418.2	389.0	96.79	207.7	233.6	210.0
#1	-2.139	-2.673	-.4629	.1397	.1215	.2637
#2	1.739	.8170	-.0967	.0494	-.3232	-.2026
#3	-1.033	.3880	-.0962	-.0512	-.0842	.3786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 21:47:38 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5044**	**.0076**	**.0343**	**22.41**
Stddev	.9707	.0858	.1428	5.71
%RSD	192.5	1123.	416.6	25.47
#1	1.545	-.0742	.0533	28.18
#2	-.3762	.0969	.1666	22.29
#3	.3441	.0003	-.1171	16.77
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	**2795.9**	**29734.**	**7443.6**
Stddev	15.7	82.	27.6
%RSD	.56305	.27745	.37083
#1	2788.1	29647.	7470.0
#2	2785.7	29744.	7445.9
#3	2814.1	29812.	7415.0

Sample Name: idl Acquired: 4/21/2017 21:51:46 Type: Unk
Method: xin_sw030317(v53) 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	**-.9187**	**.0150**	**.1482**	**-.0233**	**.1508**	**-10.74**
Stddev	7.335	1.012	.4802	.0448	.0116	5.12
%RSD	798.4	6747.	324.0	192.8	7.680	47.68
#1	-8.097	.5385	-.4055	-.0383	.1498	-16.59
#2	-1.223	.6582	.4000	-.0586	.1628	-7.088
#3	6.564	-1.152	.4502	.0272	.1397	-8.538
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0332**	**.0852**	**.0219**	**-.2792**	**8.934**	**-29.69**
Stddev	.0463	.0616	.0817	.3306	4.879	11.40
%RSD	139.7	72.32	373.3	118.4	54.61	38.40
#1	-.0200	.1554	.0255	-.5558	11.18	-29.25
#2	.0649	.0605	-.0616	-.3686	3.336	-41.31
#3	.0546	.0398	.1017	.0869	12.29	-18.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 21:51:46 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-3.704**	**.0403**	**-29.98**	**-.4522**	**1.077**	**-.9390**
Stddev	3.589	.0641	9.35	.4610	1.153	.8712
%RSD	96.90	158.9	31.20	102.0	107.1	92.78
#1	.4398	-.0297	-22.93	-.9754	2.074	-1.863
#2	-5.708	.0546	-26.41	-.2759	1.344	-.1332
#3	-5.843	.0961	-40.59	-.1054	-.1861	-.8203
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	**-1.328**	**-.3146**	**.1179**	**.0921**	**-.1643**	**.0456**
Stddev	.703	1.249	.2861	.0692	.0446	.1075
%RSD	52.98	396.8	242.6	75.14	27.16	235.5
#1	-1.332	.9243	-.0957	.0122	-.1172	.1684
#2	-.6223	-1.573	.4430	.1306	-.1696	.0000
#3	-2.029	-.2956	.0065	.1336	-.2060	-.0315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 21:51:46 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3430**	**.0757**	**.0256**	**18.12**
Stddev	.2897	.0893	.1419	6.61
%RSD	84.45	118.0	553.9	36.48
#1	.0432	.1086	-.0907	16.25
#2	.3644	.1439	-.0161	12.65
#3	.6214	-.0254	.1837	25.47
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	**2815.1**	**29941.**	**7571.8**
Stddev	4.9	141.	47.6
%RSD	.17237	.47090	.62814
#1	2816.1	30031.	7622.9
#2	2819.4	29779.	7563.5
#3	2809.8	30015.	7528.9

Sample Name: idl Acquired: 4/21/2017 21:55:49 Type: Unk
Method: xin_sw030317(v53) 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	**-6.868**	**1.243**	**-.4508**	**-.0699**	**.0902**	**-12.00**
Stddev	2.573	.942	.5147	.0916	.0435	4.44
%RSD	37.47	75.79	114.2	131.1	48.22	37.01
#1	-8.047	1.791	.0008	-.0932	.1357	-13.08
#2	-3.916	.1552	-.3419	.0311	.0491	-15.81
#3	-8.640	1.782	-1.011	-.1476	.0857	-7.122
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0679**	**.0296**	**.1380**	**-.5332**	**-.0248**	**-50.03**
Stddev	.1273	.0998	.0222	.2255	5.649	12.47
%RSD	187.4	336.6	16.10	42.29	22790.	24.93
#1	-.0536	.1366	.1419	-.7442	-3.157	-62.15
#2	.0516	-.0608	.1140	-.2956	6.497	-50.70
#3	-.2018	.0131	.1579	-.5598	-3.414	-37.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 21:55:49 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-.4012**	**-.0074**	**-29.12**	**-.6434**	**2.317**	**.4819**
Stddev	1.539	.0459	3.24	.1997	.365	.8579
%RSD	383.6	623.0	11.12	31.04	15.77	178.0
#1	-1.699	.0391	-25.95	-.7064	2.552	1.347
#2	1.300	-.0526	-32.42	-.4198	1.896	-.3682
#3	-.8046	-.0085	-28.97	-.8040	2.501	.4665
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	**-1.270**	**-.7124**	**.5236**	**.1584**	**.0437**	**.0609**
Stddev	1.465	1.088	.0202	.2774	.3463	.0992
%RSD	115.3	152.8	3.865	175.2	791.6	162.9
#1	-2.896	-1.851	.5436	.0925	.0214	-.0516
#2	-.8586	.3176	.5240	.4628	.4007	.1358
#3	-.0548	-.6035	.5031	-.0801	-.2908	.0985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 21:55:49 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.8145**	**.0249**	**-.0350**	**7.058**
Stddev	.4527	.0882	.1477	4.665
%RSD	55.58	353.9	422.6	66.10
#1	1.268	-.0715	.1307	10.60
#2	.8122	.1016	-.1530	1.772
#3	.3629	.0447	-.0826	8.802
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	**2787.6**	**29855.**	**7505.9**
Stddev	6.5	30.	13.9
%RSD	.23192	.09902	.18506
#1	2783.0	29823.	7514.0
#2	2784.7	29881.	7513.8
#3	2795.0	29863.	7489.8

Sample Name: idl Acquired: 4/21/2017 21:59:49 Type: Unk
Method: xin_sw030317(v53) 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	**17.71**	**.7449**	**-.1605**	**-.0221**	**.0823**	**-14.37**
Stddev	7.75	.8824	.1469	.0803	.0667	2.16
%RSD	43.75	118.5	91.54	363.2	81.04	15.04
#1	12.72	1.751	-.0072	-.0620	.0069	-15.56
#2	13.77	.3820	-.3001	-.0746	.1064	-15.68
#3	26.64	.1018	-.1743	.0703	.1337	-11.88
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1125**	**.1050**	**-.1456**	**-.4734**	**-4.965**	**-30.44**
Stddev	.0416	.2784	.5553	.4318	3.741	8.45
%RSD	36.94	265.2	381.5	91.20	75.35	27.76
#1	-.1455	.4255	-.2430	-.3940	-3.564	-39.93
#2	-.0658	-.0773	-.6457	-.0869	-2.126	-23.71
#3	-.1261	-.0333	.4520	-.9394	-9.204	-27.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 21:59:49 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-4.287**	**-.1078**	**-30.61**	**-.6542**	**2.054**	**-.7508**
Stddev	.799	.0481	3.46	.2214	1.249	2.374
%RSD	18.64	44.61	11.32	33.84	60.82	316.1
#1	-4.545	-.0644	-32.54	-.3986	1.092	-1.936
#2	-4.925	-.1595	-32.68	-.7781	3.466	-2.299
#3	-3.390	-.0996	-26.61	-.7860	1.604	1.982
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	**-1.796**	**.6947**	**-.1928**	**-.1216**	**.1300**	**-.2360**
Stddev	3.400	2.112	.9669	.1711	.3753	.1904
%RSD	189.3	304.0	501.5	140.8	288.6	80.69
#1	-4.096	-1.707	.6853	-.2921	-.1055	-.0668
#2	2.109	2.260	-.0348	-.1228	-.0672	-.4421
#3	-3.401	1.532	-1.229	.0501	.5628	-.1990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 21:59:49 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7205**	**-.0292**	**-.0788**	**15.97**
Stddev	.3064	.0262	.1191	7.89
%RSD	42.53	89.89	151.1	49.43
#1	.8469	-.0067	-.1819	11.79
#2	.3711	-.0228	-.1060	25.07
#3	.9435	-.0580	.0515	11.04
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	**2778.4**	**29777.**	**7479.5**
Stddev	4.0	68.	60.1
%RSD	.14254	.22937	.80397
#1	2782.9	29849.	7548.4
#2	2776.7	29769.	7452.4
#3	2775.5	29713.	7437.7

Sample Name: idl Acquired: 4/21/2017 22:03:51 Type: Unk
Method: xin_sw030317(v53) 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	**-4.976**	**1.319**	**-.1413**	**-.0757**	**.1497**	**-11.49**
Stddev	8.496	2.721	.7711	.0946	.0099	3.27
%RSD	170.8	206.3	545.9	125.0	6.582	28.45
#1	-10.55	-1.204	.7342	-.0382	.1600	-8.524
#2	4.803	.9589	-.4386	-.0056	.1489	-14.99
#3	-9.184	4.203	-.7195	-.1833	.1403	-10.95
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0202**	**.0354**	**.1399**	**-.1695**	**3.277**	**-52.67**
Stddev	.0348	.2275	.4830	.0863	1.823	12.48
%RSD	171.9	642.5	345.4	50.93	55.63	23.70
#1	-.0209	-.2263	-.3679	-.2506	3.306	-66.65
#2	.0149	.1861	.5936	-.1791	1.439	-48.75
#3	-.0546	.1464	.1938	-.0788	5.085	-42.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 22:03:51 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-5.602**	**.0216**	**-35.16**	**-.3530**	**1.679**	**.2884**
Stddev	.470	.0757	7.72	.3816	.370	.7808
%RSD	8.398	351.2	21.95	108.1	22.06	270.7
#1	-5.849	-.0627	-27.68	-.3204	1.293	1.010
#2	-5.059	.0436	-34.72	.0112	2.031	.3959
#3	-5.897	.0838	-43.09	-.7500	1.713	-.5405
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	**.0091**	**.4134**	**-.0823**	**-.0362**	**-.0919**	**-.2631**
Stddev	1.956	.3261	.0421	.1110	.2011	.2374
%RSD	21540.	78.89	51.13	306.3	218.8	90.21
#1	-.0135	.7639	-.0811	-.0149	.1269	-.3171
#2	-1.935	.3574	-.1249	-.1563	-.1341	-.0034
#3	1.976	.1189	-.0408	.0625	-.2686	-.4689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 22:03:51 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1.264**	**.0613**	**-.0552**	**13.50**
Stddev	.287	.0322	.2574	10.21
%RSD	22.73	52.47	466.2	75.65
#1	1.038	.0330	-.2115	25.29
#2	1.588	.0963	.2419	7.805
#3	1.167	.0547	-.1961	7.405
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	**2818.7**	**30038.**	**7551.7**
Stddev	14.7	32.	18.9
%RSD	.52144	.10705	.24976
#1	2802.1	30013.	7529.9
#2	2824.2	30026.	7563.5
#3	2829.9	30074.	7561.6

Sample Name: idl Acquired: 4/21/2017 22:07:51 Type: Unk
Method: xin_sw030317(v53) 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	**4.035**	**.7734**	**.0666**	**-.1011**	**.0525**	**-14.58**
Stddev	11.02	1.147	.4132	.0936	.0173	6.90
%RSD	273.1	148.3	620.9	92.54	32.95	47.34
#1	-8.594	-.4237	.3219	-.1924	.0706	-6.772
#2	11.71	.8805	.2880	-.0055	.0361	-19.86
#3	8.991	1.863	-.4102	-.1054	.0508	-17.11
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0999**	**.0835**	**.4117**	**-.0021**	**.5523**	**-46.07**
Stddev	.0920	.2115	.1799	.2620	9.974	8.43
%RSD	92.13	253.2	43.71	12660.	1806.	18.30
#1	-.0362	.0266	.4034	-.2683	-5.435	-51.65
#2	-.2054	-.0937	.2361	.0065	-4.975	-50.19
#3	-.0581	.3177	.5956	.2556	12.07	-36.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 22:07:51 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-3.309**	**-.0354**	**-29.27**	**-.5637**	**1.769**	**-.2195**
Stddev	3.524	.0341	10.72	.1954	1.889	1.948
%RSD	106.5	96.22	36.62	34.66	106.8	887.4
#1	.7580	-.0742	-33.44	-.3526	2.838	1.680
#2	-5.236	-.0103	-17.09	-.6004	-.4122	-.1265
#3	-5.449	-.0218	-37.28	-.7382	2.882	-2.212
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	**1.072**	**-1.486**	**.0636**	**.0290**	**-.3607**	**-.1004**
Stddev	1.932	1.941	.5188	.0533	.1074	.0528
%RSD	180.2	130.6	815.4	183.5	29.78	52.55
#1	3.298	.6726	-.0577	-.0053	-.3830	-.1072
#2	.0995	-2.042	.6323	.0904	-.2438	-.1495
#3	-.1801	-3.088	-.3837	.0020	-.4551	-.0446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 22:07:51 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.6641**	**.0535**	**-.0322**	**20.39**
Stddev	.2937	.0404	.1342	10.29
%RSD	44.22	75.43	417.0	50.49
#1	.3390	.0215	-.0981	31.96
#2	.9103	.0989	.1222	12.25
#3	.7429	.0401	-.1207	16.95
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	**2791.8**	**29805.**	**7499.6**
Stddev	12.6	134.	60.2
%RSD	.44979	.45062	.80222
#1	2801.8	29960.	7568.0
#2	2796.0	29734.	7454.8
#3	2777.7	29721.	7476.0

Sample Name: idl Acquired: 4/21/2017 22:11:52 Type: Unk
Method: xin_sw030317(v53) 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	**11.78**	**.1328**	**-.3925**	**-.0591**	**.0709**	**-10.62**
Stddev	11.74	1.466	.5562	.1549	.0474	8.31
%RSD	99.68	1104.	141.7	262.4	66.80	78.19
#1	2.878	-1.559	-.9414	-.2245	.1217	-3.646
#2	25.09	.9301	-.4068	-.0352	.0633	-19.81
#3	7.376	1.027	.1707	.0826	.0278	-8.411
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0876**	**.1186**	**-.0797**	**-.5501**	**6.026**	**-46.70**
Stddev	.0785	.1414	.3733	.1300	7.283	12.10
%RSD	89.62	119.3	468.5	23.64	120.9	25.90
#1	-.0389	.0093	.1989	-.4488	14.40	-34.90
#2	-.1782	.0681	.0659	-.5048	1.156	-46.13
#3	-.0457	.2783	-.5038	-.6968	2.524	-59.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 22:11:52 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-4.534**	**.0167**	**-38.95**	**-.7421**	**2.015**	**.3525**
Stddev	1.482	.0479	3.82	.2596	1.698	1.242
%RSD	32.68	286.5	9.815	34.98	84.27	352.3
#1	-4.602	.0520	-43.37	-.4433	3.643	-.8471
#2	-5.980	.0360	-36.73	-.9123	.2555	1.633
#3	-3.019	-.0378	-36.77	-.8706	2.145	.2718
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	**-2.345**	**-2.438**	**.1357**	**.0827**	**-.3644**	**-.0013**
Stddev	2.625	.334	.3824	.0150	.0600	.2244
%RSD	111.9	13.70	281.7	18.11	16.48	17850.
#1	-.7221	-2.694	-.2845	.0685	-.2956	.1675
#2	-5.374	-2.561	.2288	.0811	-.4065	.0846
#3	-.9396	-2.060	.4630	.0984	-.3911	-.2559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 22:11:52 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.5822**	**.0118**	**-.0822**	**17.09**
Stddev	.4728	.0972	.0928	5.64
%RSD	81.22	822.1	112.9	32.98
#1	.3306	-.0917	-.1628	14.35
#2	.2884	.0262	-.1032	23.58
#3	1.128	.1010	.0193	13.35
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	**2776.7**	**29653.**	**7458.1**
Stddev	5.8	30.	11.1
%RSD	.20757	.10114	.14816
#1	2783.3	29650.	7470.6
#2	2773.3	29684.	7453.8
#3	2773.3	29624.	7449.8

Sample Name: idl Acquired: 4/21/2017 22:15:54 Type: Unk
Method: xin_sw030317(v53) 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	**6.734**	**.4410**	**.0476**	**-.0856**	**.1146**	**-17.12**
Stddev	14.13	1.516	.5304	.0503	.0570	3.04
%RSD	209.9	343.7	1115.	58.76	49.78	17.74
#1	7.911	-.4799	.5514	-.0900	.0502	-13.75
#2	-7.951	-.3875	-.5059	-.0332	.1587	-19.64
#3	20.24	2.190	.0972	-.1335	.1350	-17.96
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1177**	**.2234**	**.4161**	**-.4715**	**5.672**	**-75.24**
Stddev	.0602	.0735	.3034	.1619	11.62	43.76
%RSD	51.12	32.88	72.92	34.33	204.8	58.16
#1	-.0673	.1402	.2489	-.3993	9.419	-29.63
#2	-.1015	.2506	.7663	-.3584	-7.357	-79.20
#3	-.1844	.2793	.2330	-.6570	14.95	-116.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 22:15:54 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-3.453**	**.0151**	**-37.56**	**-.3228**	**1.172**	**.9597**
Stddev	3.520	.0671	4.75	.4070	.854	1.132
%RSD	102.0	444.2	12.64	126.1	72.86	117.9
#1	-5.192	-.0324	-39.97	-.7804	.3879	2.095
#2	-5.765	-.0142	-32.09	-.0013	1.046	.9524
#3	.5984	.0919	-40.63	-.1865	2.082	-.1684
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	**.7497**	**-.6711**	**-.0092**	**.0360**	**-.5973**	**-.1166**
Stddev	2.249	.4565	.0917	.4113	.3919	.0809
%RSD	300.0	68.03	1002.	1144.	65.61	69.37
#1	-.9099	-.5335	-.0803	.5093	-.8017	-.1883
#2	3.310	-1.181	-.0415	-.1671	-.1454	-.0289
#3	-.1506	-.2992	.0944	-.2343	-.8448	-.1324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 22:15:54 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.7642**	**.0517**	**-.0279**	**10.21**
Stddev	.4734	.0565	.0283	9.03
%RSD	61.94	109.3	101.5	88.46
#1	.9751	.1101	.0042	18.50
#2	1.095	-.0026	-.0384	11.54
#3	.2220	.0475	-.0494	.5854
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	**2778.9**	**29615.**	**7461.2**
Stddev	9.6	74.	58.5
%RSD	.34518	.24934	.78338
#1	2769.7	29602.	7517.7
#2	2778.2	29695.	7465.1
#3	2788.9	29549.	7401.0

Sample Name: idl Acquired: 4/21/2017 22:19:54 Type: Unk
Method: xin_sw030317(v53) 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	**-5.103**	**1.118**	**-.3726**	**-.0092**	**.0846**	**-7.308**
Stddev	6.242	1.553	.4886	.1440	.0829	4.895
%RSD	122.3	138.9	131.1	1560.	98.02	66.98
#1	1.800	2.707	-.8803	-.1726	.0364	-1.656
#2	-10.35	1.041	-.3318	.0452	.0370	-10.09
#3	-6.756	-.3949	.0943	.0997	.1803	-10.18
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0178**	**.0958**	**.0567**	**-.4786**	**4.035**	**-26.96**
Stddev	.0278	.0804	.1795	.4155	5.291	33.76
%RSD	156.0	83.88	316.5	86.81	131.1	125.2
#1	.0167	.0930	-.0064	-.3654	-1.116	-46.66
#2	.0462	.0168	-.0828	-.9389	9.455	12.02
#3	-.0094	.1775	.2593	-.1314	3.768	-46.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 22:19:54 Type: Unk
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-1.685**	**.0081**	**-34.67**	**-.4666**	**1.354**	**.4425**
Stddev	4.325	.1611	7.11	.2831	.641	.6111
%RSD	256.7	1998.	20.50	60.68	47.33	138.1
#1	-.9014	-.0684	-36.29	-.7930	1.324	.6623
#2	2.195	-.1006	-40.83	-.3185	2.010	.9133
#3	-6.348	.1932	-26.89	-.2882	.7288	-.2481
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	**.2163**	**.0243**	**.0860**	**-.0596**	**-.0203**	**.0868**
Stddev	2.880	2.314	.4812	.1995	.3498	.0957
%RSD	1331.	9516.	559.8	335.0	1719.	110.3
#1	2.183	2.376	.6406	.1301	.3836	-.0199
#2	-3.089	-.0527	-.1619	-.2677	-.2241	.1650
#3	1.555	-2.250	-.2208	-.0411	-.2206	.1153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: idl Acquired: 4/21/2017 22:19:54 Type: Unk
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.4936**	**-.0274**	**-.0410**	**27.13**
Stddev	.9360	.0271	.3679	6.31
%RSD	189.7	99.11	898.1	23.27
#1	-.4603	.0005	-.0082	31.45
#2	1.411	-.0290	-.4241	30.07
#3	.5304	-.0536	.3094	19.89
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	**2771.0**	**29546.**	**7397.9**
Stddev	3.1	211.	32.1
%RSD	.11297	.71277	.43355
#1	2769.7	29691.	7393.4
#2	2768.8	29305.	7368.4
#3	2774.6	29642.	7432.0

Sample Name: CCV Acquired: 4/21/2017 22:23:56 Type: QC
Method: xin_sw030317(v53) 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	**129300.**	**2552.**	**1284.**	**10410.**	**1010.**	**126800.**
Stddev	606.	3.	3.	1.	3.	666.
%RSD	.4687	.1023	.2473	.0108	.3302	.5254
#1	129000.	2553.	1283.	10410.	1008.	127500.
#2	128900.	2549.	1288.	10410.	1009.	126800.
#3	130000.	2554.	1282.	10410.	1014.	126200.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1291.**	**2556.**	**5214.**	**12750.**	**105800.**	**49700.**
Stddev	.	2.	12.	49.	306.	189.
%RSD	.0331	.0932	.2374	.3880	.2892	.3803
#1	1291.	2557.	5223.	12710.	106000.	49620.
#2	1291.	2554.	5218.	12810.	105900.	49560.
#3	1291.	2558.	5200.	12730.	105400.	49910.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 22:23:56 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**128200.**	**5086.**	**127800.**	**2618.**	**7865.**	**1006.**
Stddev	565.	23.	561.	1.	5.	1.
%RSD	.4403	.4424	.4392	.0212	.0685	.0991
#1	128800.	5105.	127600.	2618.	7867.	1007.
#2	128300.	5092.	127300.	2618.	7858.	1006.
#3	127600.	5061.	128400.	2617.	7869.	1005.
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	**2580.**	**2669.**	**2559.**	**2685.**	**1042.**	**2575.**
Stddev	2.	6.	10.	1.	2.	2.
%RSD	.0689	.2159	.4064	.0390	.1540	.0586
#1	2578.	2665.	2564.	2686.	1042.	2574.
#2	2581.	2675.	2566.	2684.	1041.	2576.
#3	2581.	2665.	2547.	2684.	1044.	2576.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 4/21/2017 22:23:56 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**1034.**	**4997.**	**10670.**	**9717.**
Stddev	3.	14.	28.	75.
%RSD	.2777	.2766	.2671	.7712
#1	1036.	5006.	10670.	9644.
#2	1031.	5003.	10700.	9714.
#3	1036.	4981.	10640.	9793.
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	**2599.0**	**27951.**	**7375.7**
Stddev	4.5	215.	61.1
%RSD	.17415	.76993	.82829
#1	2593.8	27729.	7305.2
#2	2601.6	27965.	7413.3
#3	2601.7	28159.	7408.6

Sample Name: CCB Acquired: 4/21/2017 22:27:34 Type: QC
Method: xin_sw030317(v53) 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	**5.305**	**-.9143**	**.0067**	**.3876**	**.1129**	**-8.062**
Stddev	.263	.9672	.0830	.2360	.0575	1.576
%RSD	4.957	105.8	1246.	60.88	50.94	19.54
#1	5.442	-1.645	-.0019	.5638	.1375	-6.969
#2	5.471	-1.281	.0936	.4794	.1540	-7.349
#3	5.002	.1826	-.0717	.1195	.0472	-9.868
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0418**	**.0902**	**.3296**	**.2215**	**7.811**	**-28.63**
Stddev	.0612	.1942	.0198	.1501	9.063	13.33
%RSD	146.4	215.1	5.996	67.77	116.0	46.55
#1	-.1076	-.1339	.3134	.0528	4.348	-40.92
#2	.0133	.2040	.3516	.3403	18.09	-30.51
#3	-.0311	.2007	.3237	.2712	.9898	-14.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 22:27:34 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**4.741**	**.2345**	**-19.68**	**-.6960**	**1.378**	**.5007**
Stddev	5.920	.0976	1.13	.1939	1.600	.7487
%RSD	124.9	41.62	5.750	27.86	116.2	149.5
#1	11.10	.3066	-20.98	-.7389	1.927	-.1926
#2	3.730	.2734	-18.93	-.8649	-.4250	1.295
#3	-.6085	.1234	-19.12	-.4842	2.631	.4001
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	**-.2555**	**-1.960**	**.4817**	**-.3874**	**1.305**	**1.267**
Stddev	.7498	.837	.1630	.2393	.227	.590
%RSD	293.4	42.69	33.83	61.77	17.39	46.52
#1	.4609	-1.457	.4694	-.1117	1.562	1.929
#2	-1.035	-1.496	.6504	-.5418	1.221	1.076
#3	-.1928	-2.925	.3252	-.5088	1.132	.7972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 4/21/2017 22:27:34 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**.3190**	**.3205**	**1.050**	**15.06**
Stddev	.3481	.1489	.491	3.99
%RSD	109.1	46.46	46.77	26.45
#1	-.0606	.4917	1.608	11.02
#2	.3945	.2483	.8548	15.18
#3	.6232	.2214	.6860	18.99
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	**2823.2**	**30132.**	**7585.5**
Stddev	14.3	34.	8.5
%RSD	.50685	.11399	.11246
#1	2809.4	30132.	7579.2
#2	2822.2	30097.	7582.1
#3	2838.0	30166.	7595.2

Sample Name: CCVL Acquired: 4/21/2017 22:31:36 Type: QC
Method: xin_sw030317(v53) 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	**236.1**	**15.14**	**10.37**	**222.9**	**2.271**	**5388.**
Stddev	6.3	1.34	.48	.2	.001	20.
%RSD	2.676	8.824	4.588	.0828	.0469	.3729
#1	230.2	13.65	9.836	222.8	2.271	5406.
#2	242.8	16.24	10.75	222.8	2.271	5390.
#3	235.4	15.53	10.53	223.1	2.273	5366.
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_3600)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4.350**	**56.58**	**11.20**	**26.08**	**194.0**	**5163.**
Stddev	.050	.39	.38	.12	5.9	60.
%RSD	1.138	.6818	3.394	.4519	3.029	1.159
#1	4.309	56.20	10.76	26.21	198.2	5215.
#2	4.405	56.59	11.48	26.04	187.3	5098.
#3	4.337	56.97	11.35	25.98	196.6	5176.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 22:31:36 Type: QC
Method: xin_sw030317(v53) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**5323.**	**16.95**	**5155.**	**45.48**	**11.63**	**21.34**
Stddev	70.	.13	6.	.59	.79	.29
%RSD	1.315	.7411	.1076	1.302	6.821	1.380
#1	5245.	16.80	5150.	44.87	12.30	21.56
#2	5344.	16.99	5153.	45.54	10.76	21.44
#3	5380.	17.05	5161.	46.05	11.84	21.00
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	**21.90**	**25.06**	**54.47**	**34.73**	**53.11**	**22.14**
Stddev	.71	1.73	.96	.09	.52	.47
%RSD	3.254	6.912	1.756	.2491	.9856	2.143
#1	22.30	23.30	53.43	34.63	52.56	21.80
#2	22.32	25.10	54.65	34.76	53.18	22.69
#3	21.07	26.76	55.32	34.80	53.60	21.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCVL Acquired: 4/21/2017 22:31:36 Type: QC
Method: xin_sw030317(v53) 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_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	**56.41**	**21.73**	**23.75**	F **28.27**
Stddev	.84	.17	.25	13.00
%RSD	1.483	.7935	1.062	45.98
#1	56.78	21.80	23.50	40.76
#2	57.00	21.53	24.01	14.81
#3	55.45	21.85	23.73	29.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				200.0
Range				-30.50%

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	**2786.8**	**29657.**	**7586.7**
Stddev	10.6	67.	33.3
%RSD	.38124	.22548	.43870
#1	2798.1	29621.	7554.5
#2	2785.5	29615.	7621.0
#3	2777.0	29734.	7584.6

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Batch Number: 431672 Batch Start Date: 04/20/17 00:00 Batch Analyst: Esteban, Gared A

Batch Method: 3010A Batch End Date: 04/20/17 04:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00061			
MB 460-431672/1		3010A, 6010C		50 mL	50 mL				
LCS 460-431672/2		3010A, 6010C		50 mL	50 mL	1 mL			
460-131844-E-1 DU		3010A, 6010C	T	50 mL	50 mL				
460-131844-E-1 MS		3010A, 6010C	T	50 mL	50 mL	1 mL			
460-131030-D-1	19S-42017	3010A, 6010C	T	50 mL	50 mL				

Batch Notes	
Batch Comment	1:1 HCL MPR 324
Filter Paper ID	09-790F
Lot # of Nitric Acid	0000160739
Hot Block ID	#4
Oven, Bath or Block Temperature 1	97 uncorr, 95 corr Degrees C
Pipette ID	#65
Thermometer ID	ICP 3 (CF-2)
Digestion Tube/Cup ID	J262026-2005 (100ml Digi Tube)

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 BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Batch Number: 431973 Batch Start Date: 04/21/17 01:55 Batch Analyst: Esteban, Gared A

Batch Method: 3010A Batch End Date: 04/21/17 05:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00061			
MB 460-431973/1		3010A, 6010C		50 mL	50 mL				
LCS 460-431973/2		3010A, 6010C		50 mL	50 mL	1 mL			
460-131030-E-3	18S-42017	3010A, 6010C	T	50 mL	50 mL				
460-131030-A-3 DU	18S-42017	3010A, 6010C	T	50 mL	50 mL				
460-131030-E-3 MS	18S-42017	3010A, 6010C	T	50 mL	50 mL	1 mL			
460-131030-D-2	17S-42017	3010A, 6010C	T	50 mL	50 mL				
460-131030-E-4	15S-42017	3010A, 6010C	T	50 mL	50 mL				
460-131030-E-5	3S-42017	3010A, 6010C	T	50 mL	50 mL				
460-131030-D-7	FDup-42017	3010A, 6010C	T	50 mL	50 mL				
460-131030-D-8	FB-42017	3010A, 6010C	T	50 mL	50 mL				

Batch Notes	
Batch Comment	1:1 HCL MPR 325
Filter Paper ID	09-790F
Lot # of Nitric Acid	0000160739
Hot Block ID	HB3
Oven, Bath or Block Temperature 1	97 uncorr, 95 corr Degrees C
Pipette ID	#65
Thermometer ID	ICP 3 (CF-2)
Digestion Tube/Cup ID	J262026-2005 (100ml Digi Tube)

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-131030-1

SDG No.:

Project: DEC Genzale Plating Co. Site # 130018

Client Sample ID	Lab Sample ID
18S-42017	460-131030-3
15S-42017	460-131030-4
3S-42017	460-131030-5
FDup-42017	460-131030-7
FB-42017	460-131030-8

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 18S-42017 Lab Sample ID: 460-131030-3

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/05/2017 11:57

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Cr (VI)	161	10.0	2.7	ug/L			1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 15S-42017 Lab Sample ID: 460-131030-4

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/05/2017 12:20

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Cr (VI)	13.7	50.0	13.7	ug/L	U		5	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 3S-42017 Lab Sample ID: 460-131030-5

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/05/2017 12:40

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Cr (VI)	2.7	10.0	2.7	ug/L	U		1	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: FDup-42017 Lab Sample ID: 460-131030-7

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/05/2017 12:00

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Cr (VI)	13.7	50.0	13.7	ug/L	U		5	7196A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: FB-42017 Lab Sample ID: 460-131030-8

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG ID.:

Matrix: Water Date Sampled: 04/05/2017 10:50

Reporting Basis: WET Date Received: 04/05/2017 18:40

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
18540-29-9	Cr (VI)	2.7	10.0	2.7	ug/L	U		1	7196A

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Analyst: PXP Batch Start Date: 04/06/2017

Reporting Units: ug/L Analytical Batch No.: 428557

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
7	ICV	08:40	Cr (VI)	75.97	75.0	101	90-110		WThcrIM4_00053
8	ICB	08:40	Cr (VI)	2.7				U	
18	CCV	08:40	Cr (VI)	75.97	75.0	101	90-110		WThcrIM4_00053
19	CCB	08:40	Cr (VI)	2.7				U	

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

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 428557 Date: 04/06/2017 08:40							
7196A	MB 460-428557/9	Cr (VI)	2.7	U	ug/L	10.0	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 428557 Date: 04/06/2017 08:40											
7196A	460-131030-3	Cr (VI)	161		ug/L						
7196A	460-131030-3 MS	Cr (VI)	899.1		ug/L	644	115	85-115			

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

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 428557 Date: 04/06/2017 08:40								
7196A	18S-42017	460-131030-3	Cr (VI)	161	ug/L			
7196A	18S-42017	460-131030-3 DU	Cr (VI)	160.8	ug/L	0	20	

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

FORM VI-IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 428557	Date: 04/06/2017 08:40										
						LCS Source: WThcrwLCS_00063					
7196A	LCSSRM 460-428557/10	Cr (VI)	63.19		ug/L	63.8	99.0	88.7-11		0.0	

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-131030-1

SDG Number:

Matrix: Water Instrument ID: WetHexSpec

Method: 7196A MDL Date: 08/15/2016 15:07

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Cr (VI)		10	2.73

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-131030-1

SDG Number:

Matrix: Water Instrument ID: WetHexSpec

Method: 7196A XMDL Date: 08/15/2016 15:07

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Cr (VI)		10	2.73

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Instrument ID: WetHexSpec Method: 7196A

Start Date: 04/06/2017 08:40 End Date: 04/06/2017 15:47

Lab Sample ID	D / F	Type	Time	Analytes																			
				Cr6																			
IC 460-428557/1			08:40	X																			
IC 460-428557/2			08:40	X																			
IC 460-428557/3			08:40	X																			
IC 460-428557/4			08:40	X																			
IC 460-428557/5			08:40	X																			
IC 460-428557/6			08:40	X																			
ICV 460-428557/7	1		08:40	X																			
ICB 460-428557/8	1		08:40	X																			
MB 460-428557/9	1	T	08:40	X																			
LCSSRM 460-428557/10	1	T	08:40	X																			
460-131030-3	1	T	08:40	X																			
460-131030-3 DU	1	T	08:40	X																			
460-131030-3 MS	10	T	08:40	X																			
460-131030-4	5	T	08:40	X																			
460-131030-5	1	T	08:40	X																			
460-131030-7	5	T	08:40	X																			
460-131030-8	1	T	08:40	X																			
CCV 460-428557/18	1		08:40	X																			
CCB 460-428557/19	1		08:40	X																			
CCV 460-428557/20			15:47																				
CCB 460-428557/21			15:47																				
ZZZZZZ			15:47																				
ZZZZZZ			15:47																				
CCV 460-428557/24			15:47																				
CCB 460-428557/25			15:47																				

Prep Types

T = Total/NA

Dilution Form
Wet Chemistry

Method No.: 7196A

Prep Batch: —

Analytical Batch: 428557

Analyst: Philippe Pierre

Analysis Date: 04/06/2017

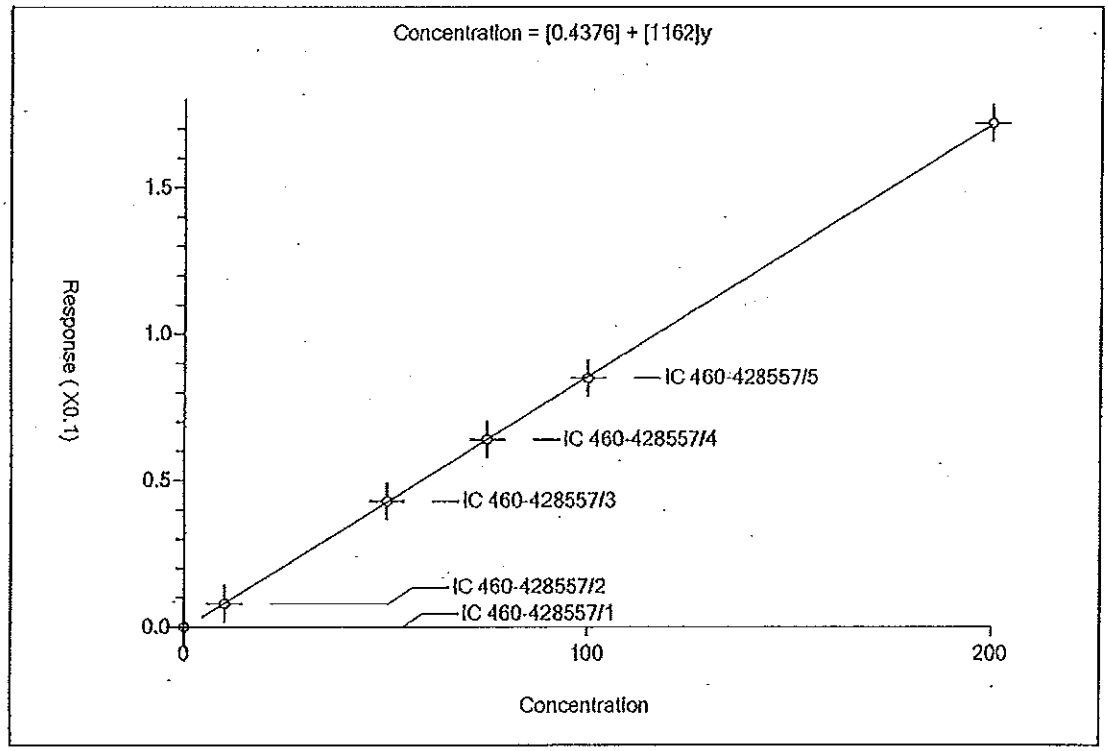
Job/Sample Number	Dilution Factor	Sample Volume/mL	Final Volume/mL	Diluent
131030-3	5X	10	50	1:1 H_2O
131030-4				
131030-7				

Curve Type:	Linear
Weighting:	None
Origin:	None
Dependency:	Concentration
Calib Mode:	ESTD
RF Rounding:	0

Curve Coefficients	
Intercept:	0.4376
Slope:	1162

Error Coefficients	
Standard Error:	0.543
Relative Standard Error:	NC
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000 (1.000)

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 460-428557/1	0.0	0.0			NaN	Y
2	IC 460-428557/2	10.0	0.008			0.0008	Y
3	IC 460-428557/3	50.0	0.043			0.00086	Y
4	IC 460-428557/4	75.0	0.064			0.000853	Y
5	IC 460-428557/5	100.0	0.085			0.00085	Y
6	IC 460-428557/6	200.0	0.172			0.00086	Y



Job #: 131030 & 131077

Batch #: 428557

Sample	Vol.	Abs.	BG - pH	TpH - TRead	Final pH
0		0.000		07:30 / 08:30	2.09
10		0.008			2.06
50		0.043			2.13
75		0.064			2.08
100		0.085			2.06
200		0.172			2.08
ICV		0.065			2.12
ICB		0.000			2.06
MB		0.080			2.06
LCS		0.054			2.02
131030-3		0.155	0.017 / 2.07		2.14
131030-3DU		0.150	0.012 / 2.07		2.16
131030-3MS	5X	0.081	0.004 / 2.17		2.19
131030-4	5X	0.105	0.117 / 2.07		2.09
131030-5		0.105	0.137 / 2.10		2.06
131030-7	5X	0.110	0.122 / 2.32		2.01
131030-8		0.080	0.080 / 2.08		2.03
CCV		0.065			2.12
CCB		0.000		08:20 / 08:40	2.06
CCV		0.065		15:36 / 15:45	2.03
CCB		0.000			2.01
131077-1		0.006	0.006 / 2.25		2.41
131077-2		0.014	0.018 / 2.16		2.16
CCV		0.065			2.03
CCB		0.080		15:40 / 15:47	2.01

Continued on Page

Read and Understood By

P.P. — Signed — 04/06/2017 — Date

Signed — Date

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-131030-1

SDG No.:

Batch Number: 428557 Batch Start Date: 04/06/17 08:42 Batch Analyst: Pierre, Philippe X

Batch Method: 7196A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	ColorBlk	UnCorResp	Final pH	WThcrIM2 00050	WThcrIM4 00053
IC 460-428557/1		7196A		50 mL		0.000 Absorbance	2.09 SU		
IC 460-428557/2		7196A		50 mL		0.008 Absorbance	2.06 SU	0.05 mL	
IC 460-428557/3		7196A		50 mL		0.043 Absorbance	2.13 SU	0.25 mL	
IC 460-428557/4		7196A		50 mL		0.064 Absorbance	2.08 SU	0.375 mL	
IC 460-428557/5		7196A		50 mL		0.085 Absorbance	2.06 SU	0.5 mL	
IC 460-428557/6		7196A		50 mL		0.172 Absorbance	2.08 SU	1 mL	
ICV 460-428557/7		7196A		50 mL		0.065 Absorbance	2.12 SU		0.375 mL
ICB 460-428557/8		7196A		50 mL		0.000 Absorbance	2.06 SU		
MB 460-428557/9		7196A		50 mL		0.000 Absorbance	2.06 SU		
LCSSRM 460-428557/10		7196A		50 mL		0.054 Absorbance	2.02 SU		
460-131030-F-3	18S-42017	7196A	T	50 mL	0.017 Absorbance	0.155 Absorbance	2.14 SU		
460-131030-B-3 DU	18S-42017	7196A	T	50 mL	0.012 Absorbance	0.150 Absorbance	2.16 SU		
460-131030-F-3 MS	18S-42017	7196A	T	50 mL	0.004 Absorbance	0.081 Absorbance	2.19 SU	0.322 mL	
460-131030-F-4	15S-42017	7196A	T	50 mL	0.117 Absorbance	0.105 Absorbance	2.09 SU		
460-131030-F-5	3S-42017	7196A	T	50 mL	0.137 Absorbance	0.105 Absorbance	2.06 SU		
460-131030-E-7	FDup-42017	7196A	T	50 mL	0.122 Absorbance	0.110 Absorbance	2.01 SU		
460-131030-E-8	FB-42017	7196A	T	50 mL	0.000 Absorbance	0.000 Absorbance	2.03 SU		
CCV 460-428557/18		7196A		50 mL		0.065 Absorbance	2.12 SU		0.375 mL
CCB 460-428557/19		7196A		50 mL		0.000 Absorbance	2.06 SU		

Lab Sample ID	Client Sample ID	Method Chain	Basis	WThcrwLCS 00063	AnalysisComment				
IC 460-428557/1		7196A							

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.: 460-131030-1

SDG No.:

Batch Number: 428557 Batch Start Date: 04/06/17 08:42 Batch Analyst: Pierre, Philippe X

Batch Method: 7196A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	WThcrwLCS 00063	AnalysisComment				
IC 460-428557/2		7196A							
IC 460-428557/3		7196A							
IC 460-428557/4		7196A							
IC 460-428557/5		7196A							
IC 460-428557/6		7196A							
ICV 460-428557/7		7196A							
ICB 460-428557/8		7196A							
MB 460-428557/9		7196A							
LCSSRM 460-428557/10		7196A		5 mL	BG pH=				
460-131030-F-3	18S-42017	7196A	T		2.07				
460-131030-B-3 DU	18S-42017	7196A	T		2.07				
460-131030-F-3 MS	18S-42017	7196A	T		2.17				
460-131030-F-4	15S-42017	7196A	T		2.07				
460-131030-F-5	3S-42017	7196A	T		2.10				
460-131030-E-7	FDup-42017	7196A	T		2.32				
460-131030-E-8	FB-42017	7196A	T		2.08				
CCV 460-428557/18		7196A							
CCB 460-428557/19		7196A							

Batch Notes	
Acid Used for pH Adjustment ID	10%H2SO4: C-4338-16 Exp.: 08/28/2017
Spectrophotometer Cell Path Length	1 cm
Color Reagent ID	C-4414-17 Exp.: 04/28/2017

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

04/24/2017

Client Information	Sampler: Heather Bishop	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-82097-51067.1
Client Contact: Ms. Heather Bishop	Phone: 518 402 9620	E-Mail: melissa.haas@testamericainc.com		Page: Page 1 of 1
Company: New York State D.E.C.				Job #: 130130
Address: 625 Broadway 12th Floor	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Albany	TAT Requested (days): Standard			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 12233-7017				
Phone: 518-402-9692(Tel)	PO #: Callout #129583; Site #130018			Other:
Email: heather.bishop@dec.ny.gov	WO #: 288 New Hyde Park Rd, Franklin Sq			
Project Name: DEC Genzale Plating Co. Site # 130018	Project #: 46022912			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	7196A - Hexavalent Chromium - 7196	6010C - Cd, Cr, Cu, Ni	8260C - TCL for VOCs updated SOM01.2+10	8260C_SIM - Volatile SIM - 1,4-Dioxane	8260C, 8260C_SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	A	A	A		
19S - 42017	4/4/17	4:15	G	Water				1	3				
17S - 42017	4/4/17	4:30	G	Water				1	3				
18S - 42017	4/5/17	11:57	G	Water		X		3	9	3			ms/msd
15S - 42017	4/5/17	12:20	G	Water				1	3	1			blackish color
3S - 42017	4/5/17	12:40	G	Water				1	3	1			
TB - 42017	4/4/17	—	G	Water					3				
FDUP - 42017	4/5/17	—	G	Water			1	1	3				
				Water									
				Water									
				Water									
				Water									

460-131030 Chain of Custody

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SHORT HOLD

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Cat B, NYSDEC EDD	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 4/5/17 2:04pm	Company	Received by:	Date/Time: 4/5/17 14:04	Company TA
Relinquished by:	Date/Time: 4/5/17 18:40	Company TA	Received by:	Date/Time: 4/5/17 1840	Company TA EDI

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

3.0 / 2.0 3.2 / 3.2 IR8 WC

TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

04/24/2017

Job Number: 131030

Number of Coolers: 2 **IR Gun #** 8

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.2 °C	1.0 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.2 °C	1.2 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											
3				<2											
4				<2											
5				<2											
7				<2											
8				<2											

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.*

Initials: _____ **Date:** 4/5/17

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-131030-1

Login Number: 131030 **List Source: TestAmerica Edison**
List Number: 1
Creator: Wisnewski, Kelly R

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.	True	
Sample custody seals, if present, are 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	3.0°, 3.2°C, IR#8
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.	False	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
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	